

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 4, SCIENCE and ECOSYSTEM SUPPORT DIVISION
ATHENS, GA 30605-2720

SITE: Vienna St Dump
BREAK: 1.9
OTHER: v.a

4-SESD-EIB

JUN 15 2001

WMD/SSMB
RECEIVED

MEMORANDUM

JUN 19 2001

SUBJECT: Report for Vienna Street Dump
Fort Valley, GA
SESD Project No. 01-0444

EPA-REGION 4
ATLANTA, GA

FROM: Brian Striggow, Environmental Protection Specialist
Superfund and Air Section



THRU: Archie Lee, Chief
Superfund and Air Section



TO: Carolyn Thompson
South Site Management Branch
Waste Management Division

The attached document is the report for the temporary well installation and sampling at the Vienna Street Dump. In the interest of expediting the HRS work dependent on this report, a copy is being sent to:

RF Weston, Inc.
Attn: Jo Ellen Johnson
Suite 200
5405 Metric Pl.
Norcross, GA 30092

If you have any questions about this report, please contact me at (706) 355-8619 or at email striggow.brian@epamail.epa.gov



10583634

**Vienna Street Dump
Fort Valley, Georgia**

**Field Investigation
Final Report
June 2001**

United States Environmental Protection Agency
Region 4
Science and Ecosystem Support Division
Enforcement and Investigations Branch
Superfund and Air Section

Approved 6/25/01
CBT

Introduction

During the weeks of March 19, 2001, and April 23, 2001 personnel from the US-EPA Region 4 Science and Ecosystem Support Division (SESD), Superfund and Air Section conducted a field investigation at, and in the area surrounding, the Vienna Street Dump in Fort Valley, Georgia. The efforts of SESD personnel were augmented by support from ESAT and START contract personnel.

This investigation was requested by the US-EPA Region 4 Waste Management Division, South Site Management Branch. The goal of the investigation was to collect and analyze groundwater samples from the Vienna Street Dump area to support the Hazard Ranking System (HRS) decision making process.

Background

The Vienna Street Dump is located on property owned by the city of Fort Valley east of the downtown area, to the East of the Norfolk and Southern RR and South of Bay Creek. A wastewater treatment plant was established on the western end of the property in 1935. The eastern portion of the property was used from approximately 1940 to 1970 to dispose of municipal and industrial waste. Local residents have suspected that chemical wastes from various local industries, including Blue Bird Body and Woolfolk Chemical, may have been buried at the site.

In 1994-1995, Black and Veatch conducted a Site Investigation (SI) for the purpose of determining the nature and extent of contamination at the site. The groundwater evaluation at that time consisted of sampling and analysis of a presumed upgradient and downgradient potable well located 1.5 mile NNE of the site and 0.75 mile ESE of the site respectively. While these analyses indicated no elevated levels of contaminants, a recent review of the SI report revealed that the two potable wells sampled comprised an inadequate evaluation of potential groundwater pathways.

The State of Georgia Department of Natural Resources, Environmental Protection Division conducted an investigation in October 2000 to gather further data and better characterize any groundwater contamination. At this time an attempt was made using Direct Push Technology (DPT) equipment to establish temporary wells adjacent to the landfill. This equipment was able to reach depths of 25' Below Land Surface (BLS), but could not obtain groundwater at this depth. The DPT work was subsequently abandoned.

The Blue Bird Body Company facilities are to the north and northwest of the site, immediately across the Norfolk Southern RR. The current Blue Bird parking area Northwest of the site has been investigated as a RCRA landfill. There is an existing monitoring well field at this site which has shown trichlorofluoromethane(TCFM) and tetrachloroethene in the groundwater. Based on piezometric data, groundwater flow was determined to be flowing generally east from this site.

Sampling and Methodology

The presumed area of buried material is roughly indicated on Figure 1, Vienna Street Dump Temporary Well Locations. The delineation of this area is based on:

- a. The discovery of buried municipal waste at the TW1 well site during drilling.
- b. The discovery of buried metal and debris immediately to the west of the TW3 well site during road clearing.
- c. Stressed vegetation between the TW1 site and Bay Creek.
- d. Exposed debris along the banks of Bay Creek.

The area was not defined by geophysical studies and only to a limited extent by history. The western boundary of the buried material is not well delineated.

A planned background well on the south end of the wastewater treatment plant property which did not yield water at the design depth (75') was abandoned and an existing well on the nearby Blue Bird landfill property was substituted as a background well. The background well is in the presumed upgradient direction of the Blue Bird and Vienna Street Dump sites. A control well was installed between the Blue Bird landfill and the Vienna Street Dump to isolate the effects of that site. Two temporary wells (TW1 and TW3) were installed south and east of the dump area to obtain groundwater potentially influenced by contamination from the unlined dump. An additional well site (TW2) Southeast of the dump had been identified as a backup location in the event of access problems with the other wells, but was not drilled or installed. The location of the wells is indicated on Figure 1, Vienna Street Dump Temp. well locations. Physical data on the wells for this project appears in Table 1, Well and Water Level Data. Auger cuttings returned to the surface were logged during drilling operations. A crosssection summary of this information appears in Figure 2, Well Cross Sections. Copies of the drilling and sampling logbook are also attached.

The control well was installed on March 20, 2001. Adverse weather prevented additional work at that time. The casing was grouted in place and the surface finished with a soil berm. The TW1 and TW3 wells were installed on April 23 and 24, 2001, respectively. All wells were sampled on April 25, 2001. Drummed drill cuttings on site were also sampled on this date. All samples were analyzed for volatile organics, extractable organics, pesticides, and metals.

All samples were collected and handled in accordance with the US-EPA, Region 4, SESD, Environmental Investigation Standard Operating Procedures and Quality Assurance Manual, May 1, 1996. All samples were analyzed in accordance with the Analytical Support Branch Operations and Quality Control Manual, December, 1997.

Analytical data on the ground water samples appears in Table 2, Ground water organic compound analyses results, and Table 3, Ground water metals analyses results. Analytical data on the drill cuttings appears in Table 4, Drill cuttings organic compound analyses results, and Table 3, Drill cuttings metals analyses results. Compounds analyzed for, but not detected in any sample are not included in these tables. The original lab data with all analytes listed is attached to this report.

Summary

A number of organic compounds were detected in the background well, including TCFM, which has been associated with the Bluebird landfill. Other than Caprolactam, none of these compounds are found in the other wells. The pesticide Alpha-BHC is found in wells TW1 and TW3 at concentrations of 0.043 and 0.039 ppb respectively. Dieldrin was found in TW3 at a concentration of 0.051 ppb. Several miscellaneous extractable compounds and volatile organic compounds were also found in the TW1 and TW3 wells that were not seen in the background or control wells. Chromium was found in the CNTL and TW1 wells (200 and 130 ppb respectively) at concentrations in excess of the drinking water MCL of 100 ppb. Lead was also found in TW2 at a concentration of 48 ppb which is in excess of the drinking water MCL of 15 ppb. Arsenic was detected in TW1 and TW3 at 19 ppb in both samples. This is below the current MCL of 50 ppb.

Note that the very high turbidities of the temporary well samples (reported in Table 1, Well and water level data) may have contributed to elevated metals results. The temporary well screens were located in silty natural formation material. Although other physical parameters stabilized during purging, the turbidity of the water withdrawn from the temporary wells could not be reduced by development or purging in a reasonable period of time.

As the analytical data is being forwarded for further review, the results will not be commented on at further length here. The well cross section information does deserve some comment as it relates to assumptions regarding ground water flow. An earlier study at the Blue Bird site indicated a generally eastward groundwater flow. The surficial aquifer at the Vienna Street Dump would be expected to be following local terrain (sloping Northeast) or following the general terrain in flowing in the direction of Bay Creek(Eastsoutheast). Either of these conclusions might be supported by the static water level information reported in Table 1, Well and water level data, and Figure 2, Well cross sections, if the apparently anomalously high water level of the control well (CNTL) is ignored. It is plausible that the CNTL well screen was placed in a small aquifer perched on a discontinuous clay layer. Comparison of the analytical results from the background well and the dump temporary wells seems to indicate little linking of contamination between the sites. Should this become an issue in the future, though, a control well should probably be drilled to a greater depth at near the same location to ensure that the relevant ground water conduit is sampled.

References

1. United States Environmental Protection Agency, Region 4, Science and Ecosystem Support Division, Environmental Investigation Standard Operating Procedures and Quality Assurance Manual, May 1, 1996.
2. United States Environmental Protection Agency, Region 4, Science and Ecosystem Support Division, Analytical Support Branch Operations and Quality Control Manual, December, 1997.
3. United States Environmental Protection Agency, USEPA Current Drinking Water Standards, <http://www.epa.gov/safewater/mcl.html>
4. Black and Veatch, Site Inspection Report for Vienna Street Dump, January 1995
5. Georgia Department of Natural Resources, Environmental Protection Division. Trip Report, Vienna Street Dump, January 9, 2001

Figure 1. Vienna Street Dump Temp. Well Locations

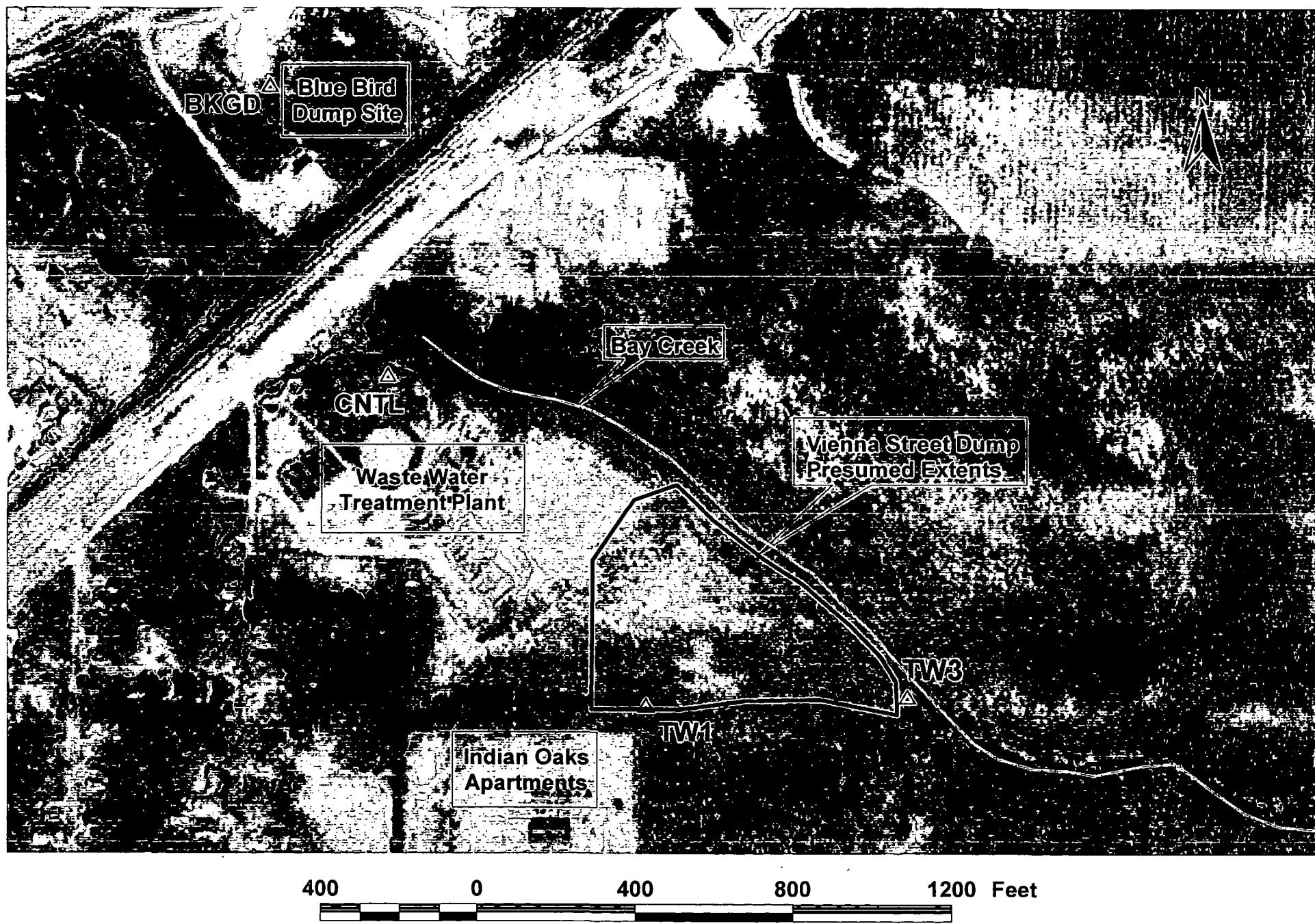
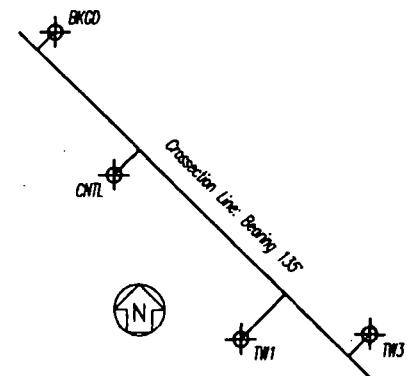
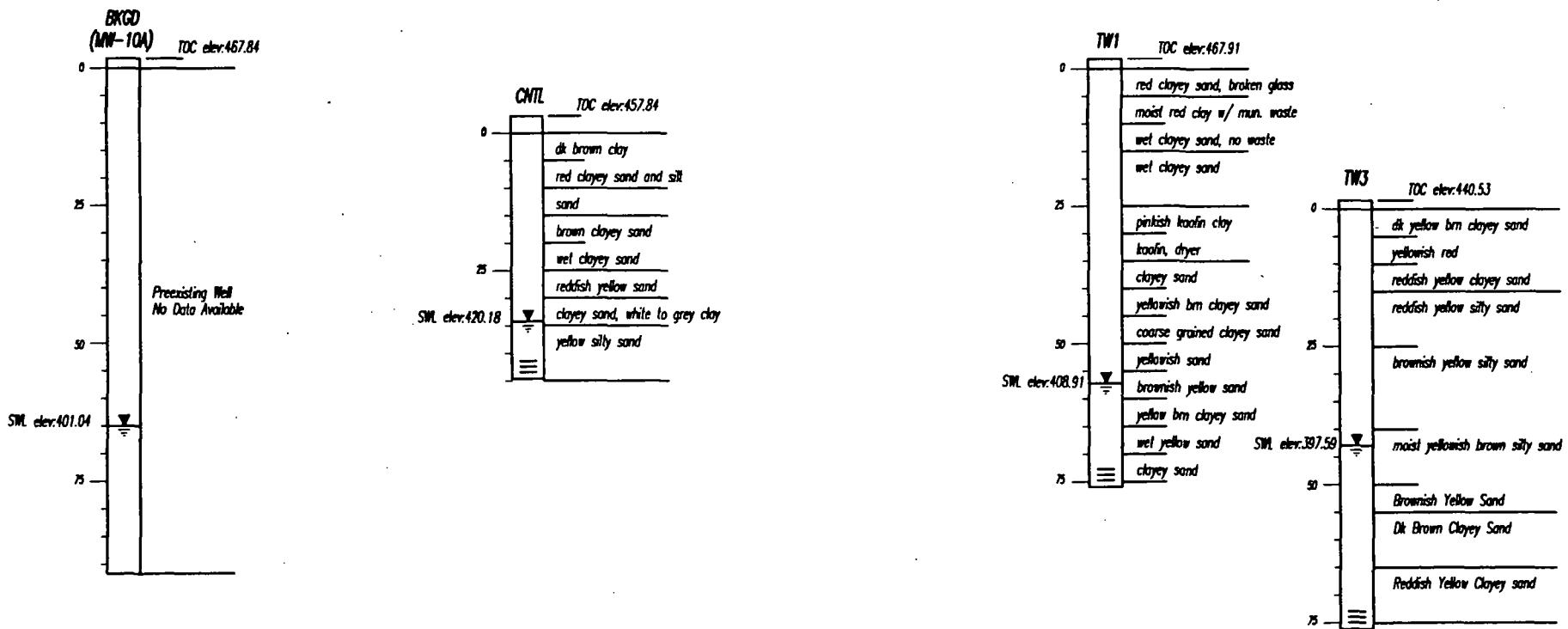


Figure 2. Well Cross Sections



Cross Section Line (not to scale)



Scale:

Vertical: $1^\circ = 30'$

Horizontal 1' = 300'

Table 1. Well and water level data.

Well Designation:	BKGD	CNTL	TW1	TW3
Description:	Background Well Blue Bird MW-10A	Temp Control Well NW end of WWTP	Temp Well 1 South end of dump nr Indian Oaks apts	Temp Well 3 East end of dump nr Bay Creek
Construction:	Permanent, 2"nom PVC	Temporary, 2"nom SS	Temporary, 2"nom SS	Temporary, 2"nom SS
Sample Turbidity (NTU)	5	233	112	>>500
Total Depth:	93.5	47.7	77.7	77.7
Water Level:	66.8	37.3	59.0	44.5
Elevation, TOC:	467.84	457.48	467.91	442.09
Elevation, SWL:	401.04	420.18	408.91	397.59
Elevation, Ground Surface:	466*	454.4	466.15	440.53
Latitude:	32°33'43.280"	32°33'36.092"	32°33'28.014"	32°33'28.408"
Longitude:	83°52'31.537"	83°52'27.811"	83°52'19.890"	83°52'12.170"
UTM17 X coordinate:	230016	230108	230308	230509
UTM17 Y coordinate:	3606193	3605969	3605714	3605721

* estimated

Elevation Datum: NAVD88

Horizontal Datum: NAD27

Table 2. Ground water organic compound analyses results.

	Designation:	BKGD	CNTL	TW1	TW3		
PESTICIDES SCAN	Units						CAS #
ALPHA-BHC	UG/L	U	U	0.043 J	0.039 J		319-84-6
DIELDRIN	UG/L	U	U		U	0.051 J	60-57-1
EXTRACTABLES SCAN							
CAPROLACTAM	UG/L	85	U	600	40		
MISCELLANEOUS EXTRACTABLES							
DECANOIC ACID, METHYL ESTER	UG/L	100 JN	NR		NR		NR
DIAZADIKETOCYCLOTETRADECANE	UG/L	NR	NR	300 JN			NR
DIMETHYLPHENYLBENZENEACETAMIDE	UG/L	NR	NR	100 JN			NR
HEXADECANOIC ACID, METHYL ESTER	UG/L	30 JN	NR		NR		NR
OCTADECANOIC ACID, METHYL ESTER	UG/L	10 JN	NR		NR		NR
OCTADECADIEENOIC ACID, METHYL ESTER	UG/L	10 JN	NR		NR		NR
OCTADECANOIC ACID, METHYL ESTER	UG/L	20 JN	NR		NR		NR
OCTADECENOIC ACID, METHYL ESTER	UG/L	100 JN	NR		NR		NR
OLEIC ACID	UG/L	20 JN	NR		NR		NR
TETRADECANOIC ACID, METHYL ESTER	UG/L	30 JN	NR		NR		NR
VOLATILES SCAN							
1,2-DICHLOROPROPANE	UG/L	U	U	0.89 J	8.6 A	78-87-5	
1,4-DICHLOROBENZENE	UG/L	U	U	0.71 J		U	106-46-7
CIS-1,2-DICHLOROETHENE	UG/L	U	U	0.6 J		U	156-59-4
TRICHLOROFLUOROMETHANE	UG/L	0.66 J	U		U	U	75-69-4

Data Qualifiers

A-Average value. NA-Not analyzed. NAI-Interferences. J-Estimated value.

N-Presumptive evidence of presence of material.

NR-Not Reported

K-Actual value is known to be less than value given.

L-Actual value is known to be greater than value given.

U-Material was analyzed for but not detected.

R-QC indicates that data unusable. Compound may or may not be present. Resampling and reanalysis is necessary for verification.

C-Confirmed by GCMS.

1.When no value is reported, see chlordane constituents.

2.Constituents or metabolites of technical chlordane.

Table 3. Ground water metals analyses results.

Designation:	BKGD	CNTL	TW1	TW3	CAS #
Units					
ALUMINUM	UG/L	120 A	2300	23000	4400
ARSENIC	UG/L	U	U	19	19
BARIUM	UG/L	26 A	67	38	210
CADMIUM	UG/L	U	U	0.62	0.74
CALCIUM	MG/L	0.65 A	23	9	22
CHROMIUM	UG/L	U	200	130	40
COBALT	UG/L	U	U	U	12
COPPER	UG/L	U	U	72	U
IRON	MG/L	U	5.2	120	29
LEAD	UG/L	U	4.2	48	12
MAGNESIUM	MG/L	0.82 A	2.8	2.7	9.5
MANGANESE	UG/L	U	100	320	840
MOLYBDENUM	UG/L	U	U	7.1	35
NICKEL	UG/L	U	230	70	22
POTASSIUM	MG/L	U	4.3	6.3	4.5
SELENIUM	UG/L	U	U	11	4.3
SODIUM	MG/L	2.3 A	5.4	32	29
STRONTIUM	UG/L	7.9 A	99	46	210
THALLIUM	UG/L	U	U	1.2	U
TITANIUM	UG/L	U	53	370	110
VANADIUM	UG/L	U	12	220	61
YTTRIUM	UG/L	4.7 A	14	48	93
ZINC	UG/L	16 AJ	63	210	57

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2. Constituents or metabolites of technical chlordane.

Table 4. Drill cuttings organic compound analyses results.

	Designation:	CNTLCUT		TW1CUT		TW3CUT				CAS #
	Units									
PESTICIDES SCAN										
METHOXYCHLOR	UG/KG	16	JN		U		U			
VOLATILES SCAN										
TOLUENE	UG/KG		U		1.3 J		4.1		108-88-3	

Data Qualifiers

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L-Actual value is known to be greater than value given.

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1. When no value is reported, see chlordane constituents.

2. Constituents or metabolites of technical chlordane.

Table 5. Drill cuttings metals analyses results.

	Designation: Units	CNTLCUT	TW1CUT	TW3CUT		
METALS SCAN						CAS #
ALUMINUM	MG/KG	1100	A	2200	1700	7429-90-5
ARSENIC	MG/KG	1	A	1.2	1	7440-38-2
BARIUM	MG/KG	5.6	A	4.8	4.5	7440-39-3
CALCIUM	MG/KG	95	A	90	140	7440-70-2
CHROMIUM	MG/KG	5	A	10	8.6	7440-47-3
COBALT	MG/KG	0.62	A	0.64	U	7440-48-4
COPPER	MG/KG	2.9	A	5.8	5.6	7440-50-8
IRON	MG/KG	4600	A	6500	5300	7439-89-6
LEAD	MG/KG	5.2	A	5.2	5.5	7439-92-1
MANGANESE	MG/KG	36	A	28	24	7439-96-5
NICKEL	MG/KG	2.1	A	1.6	1.8	7440-02-0
STRONTIUM	MG/KG	0.62	A	0.69	0.73	7440-24-6
TITANIUM	MG/KG	22	A	26	24	7440-32-6
VANADIUM	MG/KG	13	A	18	17	7440-62-2
YTTRIUM	MG/KG	4.5	A	9.6	2.4	7440-65-5
ZINC	MG/KG	22	A	23	22	7440-66-6

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

**Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720**

MEMORANDUM

Date: 05/16/2001

Subject: Results of VOLATILES Sample Analysis
01-0444 Vienna Street Dump
Fort Valley, GA

From: Allen, Frank

To: Striggow.Brian

A handwritten signature in black ink, appearing to read "Frank Allen".

Thru: Cosgrove, Bill A handwritten signature in black ink, appearing to read "Bill Cosgrove".
Chief, Organic Chemistry Section
Analytical Support Branch

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

Sample 5377 FY 2001 Project: 01-0444

VOLATILES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: BKGD /
 Media: GROUNDWATER

Produced by: Allen, Frank
 Requestor:
 Project Leader: BSTRIGGO
 Beginning: 04/25/2001 10:38
 Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
1.0U	UG/L	DICHLORODIFLUOROMETHANE	1.0U	UG/L	CIS-1,3-DICHLOROPROPENE
1.0U	UG/L	CHLOROMETHANE	1.0U	UG/L	BROMOFORM
1.0U	UG/L	BROMOMETHANE	1.0U	UG/L	BROMOBENZENE
1.0U	UG/L	VINYL CHLORIDE	1.0U	UG/L	1,1,2,2-TETRACHLOROETHANE
1.0U	UG/L	CHLOROETHANE	1.0U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
0.66J	UG/L	TRICHLOROFLUOROMETHANE	1.0U	UG/L	1,3-DICHLOROPROPANE
1.0U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	2.5U	UG/L	METHYL BUTYL KETONE
1.0U	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	1.0U	UG/L	TOLUENE
5.0U	UG/L	METHYLENE CHLORIDE	1.0U	UG/L	CHLOROBENZENE
1.0U	UG/L	METHYL T-BUTYL ETHER (MTBE)	1.0U	UG/L	1,1,1,2-TETRACHLOROETHANE
25.U	UG/L	ACETONE	1.0U	UG/L	ETHYL BENZENE
2.5U	UG/L	CARBON DISULFIDE	1.0U	UG/L	(M- AND/OR P-)XYLENE
1.0U	UG/L	METHYL ACETATE	1.0U	UG/L	O-XYLENE
1.0U	UG/L	1,1-DICHLOROETHANE	1.0U	UG/L	STYRENE
1.0U	UG/L	CIS-1,2-DICHLOROETHENE	1.0U	UG/L	1,2,3-TRICHLOROPROPANE
1.0U	UG/L	2,2-DICHLOROPROPANE	1.0U	UG/L	O-CHLOROTOLUENE
25.U	UG/L	METHYL ETHYL KETONE	1.0U	UG/L	P-CHLOROTOLUENE
1.0U	UG/L	BROMOCHLOROMETHANE	1.0U	UG/L	1,3-DICHLOROBENZENE
1.0U	UG/L	TRANS-1,2-DICHLOROETHENE	1.0U	UG/L	1,4-DICHLOROBENZENE
1.0U	UG/L	CHLOROFORM	1.0U	UG/L	1,2-DICHLOROBENZENE
1.0U	UG/L	1,2-DICHLOROETHANE	1.0U	UG/L	1,2-DIBROMOETHANE (EDB)
1.0U	UG/L	1,1,1-TRICHLOROETHANE	1.0U	UG/L	ISOPROPYLBENZENE
1.0U	UG/L	CYCLOHEXANE	1.0U	UG/L	N-PROPYLBENZENE
1.0U	UG/L	1,1-DICHLOROPROPENE	1.0U	UG/L	1,3,5-TRIMETHYLBENZENE
1.0U	UG/L	CARBON TETRACHLORIDE	1.0U	UG/L	TERT-BUTYLBENZENE
1.0U	UG/L	BROMODICHLOROMETHANE	1.0U	UG/L	1,2,4-TRIMETHYLBENZENE
2.5U	UG/L	METHYL ISOBUTYL KETONE	1.0U	UG/L	SEC-BUTYLBENZENE
1.0U	UG/L	1,2-DICHLOROPROPANE	1.0U	UG/L	P-ISOPROPYLtolUENE
1.0U	UG/L	METHYLCYCLOHEXANE	1.0U	UG/L	N-BUTYLBENZENE
1.0U	UG/L	DIBROMOMETHANE	5.0U	UG/L	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.0U	UG/L	TRANS-1,3-DICHLOROPROPENE	1.0U	UG/L	1,2,4-TRICHLOROBENZENE
1.0U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)	1.0U	UG/L	HEXAChLORO-1,3-BUTADIENE
1.0U	UG/L	BENZENE	1.0U	UG/L	1,2,3-TRICHLOROBENZENE
1.0U	UG/L	DIBROMOCHLOROMETHANE			
1.0U	UG/L	1,1,2-TRICHLOROETHANE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5378 FY 2001 Project: 01-0444

VOLATILES SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: CNTL /

Media: GROUNDWATER

Produced by: Allen, Frank

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 13:10

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
1.0U	UG/L	DICHLORODIFLUOROMETHANE	1.0U	UG/L	CIS-1,3-DICHLOROPROPENE
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1.0U	UG/L	BROMOMETHANE	1.0U	UG/L	BROMOBENZENE
1.0U	UG/L	VINYL CHLORIDE	1.0U	UG/L	1,1,2,2-TETRACHLOROETHANE
1.0U	UG/L	CHLOROETHANE	1.0U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
1.0U	UG/L	TRICHLORODIFLUOROMETHANE	1.0U	UG/L	1,3-DICHLOROPROPANE
1.0U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	2.5U	UG/L	METHYL BUTYL KETONE
1.0U	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	1.0U	UG/L	TOLUENE
5.0U	UG/L	METHYLENE-CHLORIDE	1.0U	UG/L	CHLOROBENZENE
1.0U	UG/L	METHYL T-BUTYL ETHER (MTBE)	1.0U	UG/L	1,1,1,2-TETRACHLOROETHANE
25.0U	UG/L	ACETONE	1.0U	UG/L	ETHYL BENZENE
2.5U	UG/L	CARBON DISULFIDE	1.0U	UG/L	(M- AND/OR P-)XYLENE
1.0U	UG/L	METHYL ACETATE	1.0U	UG/L	O-XYLENE
1.0U	UG/L	1,1-DICHLOROETHANE	1.0U	UG/L	STYRENE
1.0U	UG/L	CIS-1,2-DICHLOROETHENE	1.0U	UG/L	1,2,3-TRICHLOROPROPANE
1.0U	UG/L	2,2-DICHLOROPROPANE	1.0U	UG/L	O-CHLOROTOLUENE
25.0U	UG/L	METHYL ETHYL KETONE	1.0U	UG/L	P-CHLOROTOLUENE
1.0U	UG/L	BROMOCHLOROMETHANE	1.0U	UG/L	1,3-DICHLOROBENZENE
1.0U	UG/L	TRANS-1,2-DICHLOROETHENE	1.0U	UG/L	1,4-DICHLOROBENZENE
1.0U	UG/L	CHLOROFORM	1.0U	UG/L	1,2-DICHLOROBENZENE
1.0U	UG/L	1,2-DICHLOROETHANE	1.0U	UG/L	1,2-DIBROMOETHANE (EDB)
1.0U	UG/L	1,1,1-TRICHLOROETHANE	1.0U	UG/L	ISOPROPYLBENZENE
1.0U	UG/L	CYCLOHEXANE	1.0U	UG/L	N-PROPYLBENZENE
1.0U	UG/L	1,1-DICHLOROPROPENE	1.0U	UG/L	1,3,5-TRIMETHYLBENZENE
1.0U	UG/L	CARBON TETRACHLORIDE	1.0U	UG/L	TERT-BUTYLBENZENE
1.0U	UG/L	BROMODICHLOROMETHANE	1.0U	UG/L	1,2,4-TRIMETHYLBENZENE
2.5U	UG/L	METHYL ISOBUTYL KETONE	1.0U	UG/L	SEC-BUTYLBENZENE
1.0U	UG/L	1,2-DICHLOROPROPANE	1.0U	UG/L	P-ISOPROPYLtolUENE
1.0U	UG/L	METHYLCYCLOHEXANE	1.0U	UG/L	N-BUTYLBENZENE
1.0U	UG/L	DIBROMOMETHANE	5.0U	UG/L	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.0U	UG/L	TRANS-1,3-DICHLOROPROPENE	1.0U	UG/L	1,2,4-TRICHLOROBENZENE
1.0U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)	1.0U	UG/L	HEXAChLORO-1,3-BUTADIENE
1.0U	UG/L	BENZENE	1.0U	UG/L	1,2,3-TRICHLOROBENZENE
1.0U	UG/L	DIBROMOCHLOROMETHANE			
1.0U	UG/L	1,1,2-TRICHLOROETHANE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5379 FY 2001 Project: 01-0444

VOLATILES SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: TW1 /

Media: GROUNDWATER

Produced by: Allen, Frank

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 15:30

Ending:

RESULTS	UNITS	ANALYTE
1.0U	UG/L	DICHLORODIFLUOROMETHANE
1.0U	UG/L	CHLOROMETHANE
1.0U	UG/L	BROMOMETHANE
1.0U	UG/L	VINYL CHLORIDE
1.0U	UG/L	CHLOROETHANE
1.0U	UG/L	TRICHLOROFLUOROMETHANE
1.0U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
1.0U	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)
5.0U	UG/L	METHYLENE CHLORIDE
1.0U	UG/L	METHYL T-BUTYL ETHER (MTBE)
25.0	UG/L	ACETONE
2.5U	UG/L	CARBON DISULFIDE
1.0U	UG/L	METHYL ACETATE
1.0U	UG/L	1,1-DICHLOROETHANE
0.60J	UG/L	CIS-1,2-DICHLOROETHENE
1.0U	UG/L	2,2-DICHLOROPROPANE
25.0	UG/L	METHYL ETHYL KETONE
1.0U	UG/L	BROMOCHLOROMETHANE
1.0U	UG/L	TRANS-1,2-DICHLOROETHENE
1.0U	UG/L	CHLOROFORM
1.0U	UG/L	1,2-DICHLOROETHANE
1.0U	UG/L	1,1,1-TRICHLOROETHANE
1.0U	UG/L	CYCLOHEXANE
1.0U	UG/L	1,1-DICHLOROPROPENE
1.0U	UG/L	CARBON TETRACHLORIDE
1.0U	UG/L	BROMODICHLOROMETHANE
2.5U	UG/L	METHYL ISOBUTYL KETONE
0.89J	UG/L	1,2-DICHLOROPROPANE
1.0U	UG/L	METHYLCYCLOHEXANE
1.0U	UG/L	DIBROMOMETHANE
1.0U	UG/L	TRANS-1,3-DICHLOROPROPENE
1.0U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)
1.0U	UG/L	BENZENE
1.0U	UG/L	DIBROMOCHLOROMETHANE
1.0U	UG/L	1,1,2-TRICHLOROETHANE

RESULTS	UNITS	ANALYTE
1.0U	UG/L	CIS-1,3-DICHLOROPROPENE
1.0U	UG/L	BROMOFORM
1.0U	UG/L	BROMOBENZENE
1.0U	UG/L	1,1,2,2-TETRACHLOROETHANE
1.0U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
1.0U	UG/L	1,3-DICHLOROPROPANE
2.5U	UG/L	METHYL BUTYL KETONE
1.0U	UG/L	TOLUENE
1.0U	UG/L	CHLOROBENZENE
1.0U	UG/L	1,1,1,2-TETRACHLOROETHANE
1.0U	UG/L	ETHYL BENZENE
1.0U	UG/L	(M- AND/OR P-)XYLENE
1.0U	UG/L	O-XYLENE
1.0U	UG/L	STYRENE
1.0U	UG/L	1,2,3-TRICHLOROPROPANE
1.0U	UG/L	O-CHLOROTOLUENE
1.0U	UG/L	P-CHLOROTOLUENE
1.0U	UG/L	1,3-DICHLOROBENZENE
0.71J	UG/L	1,4-DICHLOROBENZENE
1.0U	UG/L	1,2-DICHLOROBENZENE
1.0U	UG/L	1,2-DIBROMOETHANE (EDB)
1.0U	UG/L	ISOPROPYLBENZENE
1.0U	UG/L	N-PROPYLBENZENE
1.0U	UG/L	1,3,5-TRIMETHYLBENZENE
1.0U	UG/L	TERT-BUTYLBENZENE
1.0U	UG/L	1,2,4-TRIMETHYLBENZENE
1.0U	UG/L	SEC-BUTYLBENZENE
1.0U	UG/L	P-ISOPROPYLtolUENE
1.0U	UG/L	N-BUTYLBENZENE
5.0U	UG/L	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.0U	UG/L	1,2,4-TRICHLOROBENZENE
1.0U	UG/L	HEXAChLORO-1,3-BUTADIENE
1.0U	UG/L	1,2,3-TRICHLOROBENZENE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5380 FY 2001 Project: 01-0444

VOLATILES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: TW3 /
 Media: GROUNDWATER

Produced by: Allen, Frank
 Requestor:
 Project Leader: BSTRIGGO
 Beginning: 04/25/2001 17:45
 Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
1.0U	UG/L	DICHLORODIFLUOROMETHANE	1.0U	UG/L	CIS-1,3-DICHLOROPROPENE
1.0U	UG/L	CHLOROMETHANE	1.0U	UG/L	BROMOFORM
1.0U	UG/L	BROMOMETHANE	1.0U	UG/L	BROMOBENZENE
1.0U	UG/L	VINYL CHLORIDE	1.0U	UG/L	1,1,2,2-TETRACHLOROETHANE
1.0U	UG/L	CHLOROETHANE	1.0U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
1.0U	UG/L	TRICHLOROFLUOROMETHANE	1.0U	UG/L	1,3-DICHLOROPROPANE
1.0U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	2.5U	UG/L	METHYL BUTYL KETONE
1.0U	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	1.0U	UG/L	TOLUENE
5.0U	UG/L	METHYLENE CHLORIDE	1.0U	UG/L	CHLOROBENZENE
1.0U	UG/L	METHYL T-BUTYL ETHER (MTBE)	1.0U	UG/L	1,1,1,2-TETRACHLOROETHANE
25.0U	UG/L	ACETONE	1.0U	UG/L	ETHYL BENZENE
2.5U	UG/L	CARBON DISULFIDE	1.0U	UG/L	(M- AND/OR P-)XYLENE
1.0U	UG/L	METHYL ACETATE	1.0U	UG/L	O-XYLENE
1.0U	UG/L	1,1-DICHLOROETHANE	1.0U	UG/L	STYRENE
1.0U	UG/L	CIS-1,2-DICHLOROETHENE	1.0U	UG/L	1,2,3-TRICHLOROPROPANE
1.0U	UG/L	2,2-DICHLOROPROPANE	1.0U	UG/L	O-CHLOROTOLUENE
25.0U	UG/L	METHYL ETHYL KETONE	1.0U	UG/L	P-CHLOROTOLUENE
1.0U	UG/L	BROMOCHLOROMETHANE	1.0U	UG/L	1,3-DICHLOROBENZENE
1.0U	UG/L	TRANS-1,2-DICHLOROETHENE	1.0U	UG/L	1,4-DICHLOROBENZENE
1.0U	UG/L	CHLOROFORM	1.0U	UG/L	1,2-DICHLOROBENZENE
1.0U	UG/L	1,2-DICHLOROETHANE	1.0U	UG/L	1,2-DIBROMOETHANE (EDB)
1.0U	UG/L	1,1,1-TRICHLOROETHANE	1.0U	UG/L	ISOPROPYLBENZENE
1.0U	UG/L	CYCLOHEXANE	1.0U	UG/L	N-PROPYLBENZENE
1.0U	UG/L	1,1-DICHLOROPROPENE	1.0U	UG/L	1,3,5-TRIMETHYLBENZENE
1.0U	UG/L	CARBON TETRACHLORIDE	1.0U	UG/L	TERT-BUTYLBENZENE
1.0U	UG/L	BROMODICHLOROMETHANE	1.0U	UG/L	1,2,4-TRIMETHYLBENZENE
2.5U	UG/L	METHYL ISOBUTYL KETONE	1.0U	UG/L	SEC-BUTYLBENZENE
8.6A	UG/L	1,2-DICHLOROPROPANE	1.0U	UG/L	P-ISOPROPYLtolUENE
1.0U	UG/L	METHYLCYCLOHEXANE	1.0U	UG/L	N-BUTYLBENZENE
1.0U	UG/L	DIBROMOMETHANE	5.0U	UG/L	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.0U	UG/L	TRANS-1,3-DICHLOROPROPENE	1.0U	UG/L	1,2,4-TRICHLOROBENZENE
1.0U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)	1.0U	UG/L	HEXAChLORO-1,3-BUTADIENE
1.0U	UG/L	BENZENE	1.0U	UG/L	1,2,3-TRICHLOROBENZENE
1.0U	UG/L	DIBROMOCHLOROMETHANE			
1.0U	UG/L	1,1,2-TRICHLOROETHANE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5383 FY 2001 Project: 01-0444

VOLATILES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: CNTLCUT /
 Media: SUBSURFACE SOIL (> 12")

Produced by: Allen, Frank

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/26/2001 15:15

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
1.0U	UG/KG	DICHLORODIFLUOROMETHANE	1.0U	UG/KG	CIS-1,3-DICHLOROPROPENE
1.0U	UG/KG	CHLOROMETHANE	1.0U	UG/KG	BROMOFORM
1.0U	UG/KG	BROMOMETHANE	1.0U	UG/KG	BROMOBENZENE
1.0U	UG/KG	VINYL CHLORIDE	1.0UJ	UG/KG	1,1,2,2-TETRACHLOROETHANE
1.0U	UG/KG	CHLOROETHANE	1.0U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
1.0U	UG/KG	TRICHLOROFUOROMETHANE	1.0U	UG/KG	1,3-DICHLOROPROPANE
1.0U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	2.6U	UG/KG	METHYL BUTYL KETONE
1.0U	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	1.0U	UG/KG	TOLUENE
1.0U	UG/KG	METHYLENE CHLORIDE	1.0U	UG/KG	CHLOROBENZENE
1.0U	UG/KG	METHYL T-BUTYL ETHER (MTBE)	1.0U	UG/KG	1,1,1,2-TETRACHLOROETHANE
13U	UG/KG	ACETONE	1.0U	UG/KG	ETHYL BENZENE
1.0U	UG/KG	CARBON DISULFIDE	2.1U	UG/KG	(M- AND/OR P-)XYLENE
1.0U	UG/KG	METHYL ACETATE	1.0U	UG/KG	O-XYLENE
1.0U	UG/KG	1,1-DICHLOROETHANE	1.0U	UG/KG	STYRENE
1.0U	UG/KG	CIS-1,2-DICHLOROETHENE	1.0U	UG/KG	1,2,3-TRICHLOROPROPANE
1.0UJ	UG/KG	2,2-DICHLOROPROPANE	1.0U	UG/KG	O-CHLOROTOLUENE
2.6U	UG/KG	METHYL ETHYL KETONE	1.0U	UG/KG	P-CHLOROTOLUENE
1.0U	UG/KG	BROMOCHLOROMETHANE	1.0U	UG/KG	1,3-DICHLOROBENZENE
1.0U	UG/KG	TRANS-1,2-DICHLOROETHENE	1.0U	UG/KG	1,4-DICHLOROBENZENE
5.2U	UG/KG	CHLOROFORM	1.0U	UG/KG	1,2-DICHLOROBENZENE
1.0U	UG/KG	1,2-DICHLOROETHANE	1.0U	UG/KG	1,2-DIBROMOETHANE (EDB)
1.0U	UG/KG	1,1,1-TRICHLOROETHANE	1.0U	UG/KG	ISOPROPYLBENZENE
1.0U	UG/KG	CYCLOHEXANE	1.0U	UG/KG	N-PROPYLBENZENE
1.0U	UG/KG	1,1-DICHLOROPROPENE	1.0U	UG/KG	1,3,5-TRIMETHYLBENZENE
1.0U	UG/KG	CARBON TETRACHLORIDE	1.0U	UG/KG	TERT-BUTYLBENZENE
5.2U	UG/KG	BROMODICHLOROMETHANE	1.0U	UG/KG	1,2,4-TRIMETHYLBENZENE
2.6U	UG/KG	METHYL ISOBUTYL KETONE	1.0U	UG/KG	SEC-BUTYLBENZENE
1.0U	UG/KG	1,2-DICHLOROPROPANE	1.0U	UG/KG	P-ISOPROPYLtolUENE
1.0U	UG/KG	METHYLCYCLOHEXANE	1.0U	UG/KG	N-BUTYLBENZENE
1.0U	UG/KG	DIBROMOMETHANE	1.0U	UG/KG	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.0U	UG/KG	TRANS-1,3-DICHLOROPROPENE	1.0U	UG/KG	1,2,4-TRICHLOROBENZENE
1.0U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)	1.0U	UG/KG	HEXAChLORO-1,3-BUTADIENE
1.0U	UG/KG	BENZENE	5.2U	UG/KG	1,2,3-TRICHLOROBENZENE
1.0U	UG/KG	DIBROMOCHLOROMETHANE	15	%	% MOISTURE
1.0U	UG/KG	1,1,2-TRICHLOROETHANE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5385 FY 2001 Project: 01-0444

Produced by: Allen, Frank

VOLATILES SCAN

Requestor:

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: TW1CUT /
 Media: SUBSURFACE SOIL (> 12")

Project Leader: BSTRIGGO
 Beginning: 04/26/2001 15:50
 Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
1.4U	UG/KG	DICHLORODIFLUOROMETHANE	1.4U	UG/KG	CIS-1,3-DICHLOROPROPENE
1.4U	UG/KG	CHLOROMETHANE	1.4U	UG/KG	BROMOFORM
1.4U	UG/KG	BROMOMETHANE	1.4U	UG/KG	BROMOBENZENE
1.4U	UG/KG	VINYL CHLORIDE	1.4UJ	UG/KG	1,1,2,2-TETRACHLOROETHANE
1.4U	UG/KG	CHLOROETHANE	1.4U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
1.4U	UG/KG	TRICHLOROFUOROMETHANE	1.4U	UG/KG	1,3-DICHLOROPROPANE
1.4U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	3.4U	UG/KG	METHYL BUTYL KETONE
1.4U	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	1.3J	UG/KG	TOLUENE
1.4U	UG/KG	METHYLENE CHLORIDE	1.4U	UG/KG	CHLOROBENZENE
1.4U	UG/KG	METHYL T-BUTYL ETHER (MTBE)	1.4U	UG/KG	1,1,1,2-TETRACHLOROETHANE
17U	UG/KG	ACETONE	1.4U	UG/KG	ETHYL BENZENE
1.4U	UG/KG	CARBON DISULFIDE	2.7U	UG/KG	(M- AND/OR P-)XYLENE
1.4U	UG/KG	METHYL ACETATE	1.4U	UG/KG	O-XYLENE
1.4U	UG/KG	1,1-DICHLOROETHANE	1.4U	UG/KG	STYRENE
1.4U	UG/KG	CIS-1,2-DICHLOROETHENE	1.4U	UG/KG	1,2,3-TRICHLOROPROPANE
1.4UJ	UG/KG	2,2-DICHLOROPROPANE	1.4U	UG/KG	O-CHLOROTOLUENE
3.4U	UG/KG	METHYL ETHYL KETONE	1.4U	UG/KG	P-CHLOROTOLUENE
1.4U	UG/KG	BROMOCHLOROMETHANE	1.4U	UG/KG	1,3-DICHLOROBENZENE
1.4U	UG/KG	TRANS-1,2-DICHLOROETHENE	1.4U	UG/KG	1,4-DICHLOROBENZENE
6.8U	UG/KG	CHLOROFORM	1.4U	UG/KG	1,2-DICHLOROBENZENE
1.4U	UG/KG	1,2-DICHLOROETHANE	1.4U	UG/KG	1,2-DIBROMOETHANE (EDB)
1.4U	UG/KG	1,1,1-TRICHLOROETHANE	1.4U	UG/KG	ISOPROPYLBENZENE
1.4U	UG/KG	CYCLOHEXANE	1.4U	UG/KG	N-PROPYLBENZENE
1.4U	UG/KG	1,1-DICHLOROPROPENE	1.4U	UG/KG	1,3,5-TRIMETHYLBENZENE
1.4U	UG/KG	CARBON TETRACHLORIDE	1.4U	UG/KG	TERT-BUTYLBENZENE
6.8U	UG/KG	BROMODICHLOROMETHANE	1.4U	UG/KG	1,2,4-TRIMETHYLBENZENE
3.4U	UG/KG	METHYL ISOBUTYL KETONE	1.4U	UG/KG	SEC-BUTYLBENZENE
1.4U	UG/KG	1,2-DICHLOROPROPANE	1.4U	UG/KG	P-ISOPROPYLtolUENE
1.4U	UG/KG	METHYLCYCLOHEXANE	1.4U	UG/KG	N-BUTYLBENZENE
1.4U	UG/KG	DIBROMOMETHANE	1.4U	UG/KG	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.4U	UG/KG	TRANS-1,3-DICHLOROPROPENE	1.4U	UG/KG	1,2,4-TRICHLOROBENZENE
1.4U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)	1.4U	UG/KG	HEXAChLORO-1,3-BUTADIENE
1.4U	UG/KG	BENZENE	6.8U	UG/KG	1,2,3-TRICHLOROBENZENE
1.4U	UG/KG	DIBROMOCHLOROMETHANE	21	%	% MOISTURE
1.4U	UG/KG	1,1,2-TRICHLOROETHANE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5384 FY 2001 Project: 01-0444

VOLATILES SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: TW3CUT /

Media: SUBSURFACE SOIL (> 12")

Produced by: Allen, Frank

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/26/2001 15:30

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
1.0U	UG/KG	DICHLORODIFLUOROMETHANE	1.0U	UG/KG	CIS-1,3-DICHLOROPROPENE
1.0U	UG/KG	CHLOROMETHANE	1.0U	UG/KG	BROMOFORM
1.0U	UG/KG	BROMOMETHANE	1.0U	UG/KG	BROMOBENZENE
1.0U	UG/KG	VINYL CHLORIDE	1.0UJ	UG/KG	1,1,2,2-TETRACHLOROETHANE
1.0U	UG/KG	CHLOROETHANE	1.0U	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
1.0U	UG/KG	TRICHLOROFUOROMETHANE	1.0U	UG/KG	1,3-DICHLOROPROPANE
1.0U	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	2.6U	UG/KG	METHYL BUTYL KETONE
1.0U	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	4.1	UG/KG	TOLUENE
1.0U	UG/KG	METHYLENE CHLORIDE	1.0U	UG/KG	CHLOROBENZENE
1.0U	UG/KG	METHYL T-BUTYL ETHER (MTBE)	1.0U	UG/KG	1,1,1,2-TETRACHLOROETHANE
13U	UG/KG	ACETONE	1.0U	UG/KG	ETHYL BENZENE
1.0U	UG/KG	CARBON DISULFIDE	2.1U	UG/KG	(M- AND/OR P-)XYLENE
1.0U	UG/KG	METHYL ACETATE	1.0U	UG/KG	O-XYLENE
1.0U	UG/KG	1,1-DICHLOROETHANE	1.0U	UG/KG	STYRENE
1.0U	UG/KG	CIS-1,2-DICHLOROETHENE	1.0U	UG/KG	1,2,3-TRICHLOROPROPANE
1.0UJ	UG/KG	2,2-DICHLOROPROPANE	1.0U	UG/KG	O-CHLOROTOLUENE
2.6U	UG/KG	METHYL ETHYL KETONE	1.0U	UG/KG	P-CHLOROTOLUENE
1.0U	UG/KG	BROMOCHLOROMETHANE	1.0U	UG/KG	1,3-DICHLOROBENZENE
1.0U	UG/KG	TRANS-1,2-DICHLOROETHENE	1.0U	UG/KG	1,4-DICHLOROBENZENE
5.2U	UG/KG	CHLOROFORM	1.0U	UG/KG	1,2-DICHLOROBENZENE
1.0U	UG/KG	1,2-DICHLOROETHANE	1.0U	UG/KG	1,2-DIBROMOETHANE (EDB)
1.0U	UG/KG	1,1,1-TRICHLOROETHANE	1.0U	UG/KG	ISOPROPYLBENZENE
1.0U	UG/KG	CYCLOHEXANE	1.0U	UG/KG	N-PROPYLBENZENE
1.0U	UG/KG	1,1-DICHLOROPROPENE	1.0U	UG/KG	1,3,5-TRIMETHYLBENZENE
1.0U	UG/KG	CARBON TETRACHLORIDE	1.0U	UG/KG	TERT-BUTYLBENZENE
5.2U	UG/KG	BROMODICHLOROMETHANE	1.0U	UG/KG	1,2,4-TRIMETHYLBENZENE
2.6U	UG/KG	METHYL ISOBUTYL KETONE	1.0U	UG/KG	SEC-BUTYLBENZENE
1.0U	UG/KG	1,2-DICHLOROPROPANE	1.0U	UG/KG	P-ISOPROPYLtolUENE
1.0U	UG/KG	METHYLCYCLOHEXANE	1.0U	UG/KG	N-BUTYLBENZENE
1.0U	UG/KG	DIBROMOMETHANE	1.0U	UG/KG	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.0U	UG/KG	TRANS-1,3-DICHLOROPROPENE	1.0U	UG/KG	1,2,4-TRICHLOROBENZENE
1.0U	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)	1.0U	UG/KG	HEXACHLORO-1,3-BUTADIENE
1.0U	UG/KG	BENZENE	5.2U	UG/KG	1,2,3-TRICHLOROBENZENE
1.0U	UG/KG	DIBROMOCHLOROMETHANE	12	%	% MOISTURE
1.0U	UG/KG	1,1,2-TRICHLOROETHANE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5382 FY 2001 Project: 01-0444

VOLATILES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: QATB1 /
 Media: TRIP BLANK - WATER

Produced by: Allen, Frank

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 18:05

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
1.0U	UG/L	DICHLORODIFLUOROMETHANE	1.0U	UG/L	CIS-1,3-DICHLOROPROPENE
1.0U	UG/L	CHLOROMETHANE	1.0U	UG/L	BROMOFORM
1.0U	UG/L	BROMOMETHANE	1.0U	UG/L	BROMOBENZENE
1.0U	UG/L	VINYL CHLORIDE	1.0U	UG/L	1,1,2,2-TETRACHLOROETHANE
1.0U	UG/L	CHLOROETHANE	1.0U	UG/L	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
1.0U	UG/L	TRICHLOROFLUOROMETHANE	1.0U	UG/L	1,3-DICHLOROPROPANE
1.0U	UG/L	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	2.5U	UG/L	METHYL BUTYL KETONE
1.0U	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	1.0U	UG/L	TOLUENE
5.0U	UG/L	METHYLENE CHLORIDE	1.0U	UG/L	CHLOROBENZENE
1.0U	UG/L	METHYL T-BUTYL ETHER (MTBE)	1.0U	UG/L	1,1,1,2-TETRACHLOROETHANE
25.0U	UG/L	ACETONE	1.0U	UG/L	ETHYL BENZENE
2.5U	UG/L	CARBON DISULFIDE	1.0U	UG/L	(M- AND/OR P-)XYLENE
1.0U	UG/L	METHYL ACETATE	1.0U	UG/L	O-XYLENE
1.0U	UG/L	1,1-DICHLOROETHANE	1.0U	UG/L	STYRENE
1.0U	UG/L	CIS-1,2-DICHLOROETHENE	1.0U	UG/L	1,2,3-TRICHLOROPROPANE
1.0U	UG/L	2,2-DICHLOROPROPANE	1.0U	UG/L	O-CHLOROTOLUENE
25.0U	UG/L	METHYL ETHYL KETONE	1.0U	UG/L	P-CHLOROTOLUENE
1.0U	UG/L	BROMOCHLOROMETHANE	1.0U	UG/L	1,3-DICHLOROBENZENE
1.0U	UG/L	TRANS-1,2-DICHLOROETHENE	1.0U	UG/L	1,4-DICHLOROBENZENE
1.0U	UG/L	CHLOROFORM	1.0U	UG/L	1,2-DICHLOROBENZENE
1.0U	UG/L	1,2-DICHLOROETHANE	1.0U	UG/L	1,2-DIBROMOETHANE (EDB)
1.0U	UG/L	1,1,1-TRICHLOROETHANE	1.0U	UG/L	ISOPROPYLBENZENE
1.0U	UG/L	CYCLOHEXANE	1.0U	UG/L	N-PROPYLBENZENE
1.0U	UG/L	1,1-DICHLOROPROPENE	1.0U	UG/L	1,3,5-TRIMETHYLBENZENE
1.0U	UG/L	CARBON TETRACHLORIDE	1.0U	UG/L	TERT-BUTYLBENZENE
1.0U	UG/L	BROMODICHLOROMETHANE	1.0U	UG/L	1,2,4-TRIMETHYLBENZENE
2.5U	UG/L	METHYL ISOBUTYL KETONE	1.0U	UG/L	SEC-BUTYLBENZENE
1.0U	UG/L	1,2-DICHLOROPROPANE	1.0U	UG/L	P-ISOPROPYL TOLUENE
1.0U	UG/L	METHYLCYCLOHEXANE	1.0U	UG/L	N-BUTYLBENZENE
1.0U	UG/L	DIBROMOMETHANE	5.0U	UG/L	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.0U	UG/L	TRANS-1,3-DICHLOROPROPENE	1.0U	UG/L	1,2,4-TRICHLOROBENZENE
1.0U	UG/L	TRICHLOROETHENE (TRICHLOROETHYLENE)	1.0U	UG/L	HEXAChLORO-1,3-BUTADIENE
1.0U	UG/L	BENZENE	1.0U	UG/L	1,2,3-TRICHLOROBENZENE
1.0U	UG/L	DIBROMOCHLOROMETHANE			
1.0U	UG/L	1,1,2-TRICHLOROETHANE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5386 FY 2001 Project: 01-0444

VOLATILES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: QATB2 /
 Media: TRIP BLANK - SOIL

Produced by: Allen, Frank

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/26/2001 16:00

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
1.5UJ	UG/KG	DICHLORODIFLUOROMETHANE	1.5UJ	UG/KG	CIS-1,3-DICHLOROPROPENE
1.5UJ	UG/KG	CHLOROMETHANE	1.5UJ	UG/KG	BROMOFORM
1.5UJ	UG/KG	BROMOMETHANE	1.5UJ	UG/KG	BROMOBENZENE
1.5UJ	UG/KG	VINYL CHLORIDE	1.5UJ	UG/KG	1,1,2,2-TETRACHLOROETHANE
1.5UJ	UG/KG	CHLOROETHANE	1.5UJ	UG/KG	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
1.5UJ	UG/KG	TRICHLOROFLUOROMETHANE	1.5UJ	UG/KG	1,3-DICHLOROPROPANE
1.5UJ	UG/KG	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	3.9UJ	UG/KG	METHYL BUTYL KETONE
1.5UJ	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	1.5UJ	UG/KG	TOLUENE
1.5UJ	UG/KG	METHYLENE CHLORIDE	1.5UJ	UG/KG	CHLOROBENZENE
1.5UJ	UG/KG	METHYL T-BUTYL ETHER (MTBE)	1.5UJ	UG/KG	1,1,1,2-TETRACHLOROETHANE
19UJ	UG/KG	ACETONE	1.5UJ	UG/KG	ETHYL BENZENE
1.5UJ	UG/KG	CARBON DISULFIDE	3.1UJ	UG/KG	(M- AND/OR P-)XYLENE
1.5UJ	UG/KG	METHYL ACETATE	1.5UJ	UG/KG	O-XYLENE
1.5UJ	UG/KG	1,1-DICHLOROETHANE	1.5UJ	UG/KG	STYRENE
1.5UJ	UG/KG	CIS-1,2-DICHLOROETHENE	1.5UJ	UG/KG	1,2,3-TRICHLOROPROPANE
1.5UJ	UG/KG	2,2-DICHLOROPROPANE	1.5UJ	UG/KG	O-CHLOROTOLUENE
3.9UJ	UG/KG	METHYL ETHYL KETONE	1.5UJ	UG/KG	P-CHLOROTOLUENE
1.5UJ	UG/KG	BROMOCHLOROMETHANE	1.5UJ	UG/KG	1,3-DICHLOROBENZENE
1.5UJ	UG/KG	TRANS-1,2-DICHLOROETHENE	1.5UJ	UG/KG	1,4-DICHLOROBENZENE
7.7UJ	UG/KG	CHLOROFORM	1.5UJ	UG/KG	1,2-DICHLOROBENZENE
1.5UJ	UG/KG	1,2-DICHLOROETHANE	1.5UJ	UG/KG	1,2-DIBROMOETHANE (EDB)
1.5UJ	UG/KG	1,1,1-TRICHLOROETHANE	1.5UJ	UG/KG	ISOPROPYLBENZENE
1.5UJ	UG/KG	CYCLOHEXANE	1.5UJ	UG/KG	N-PROPYLBENZENE
1.5UJ	UG/KG	1,1-DICHLOROPROPENE	1.5UJ	UG/KG	1,3,5-TRIMETHYLBENZENE
1.5UJ	UG/KG	CARBON TETRACHLORIDE	1.5UJ	UG/KG	TERT-BUTYLBENZENE
7.7UJ	UG/KG	BROMODICHLOROMETHANE	1.5UJ	UG/KG	1,2,4-TRIMETHYLBENZENE
3.9UJ	UG/KG	METHYL ISOBUTYL KETONE	1.5UJ	UG/KG	SEC-BUTYLBENZENE
1.5UJ	UG/KG	1,2-DICHLOROPROPANE	1.5UJ	UG/KG	P-ISOPROPYLtoluene
1.5UJ	UG/KG	METHYLCYCLOHEXANE	1.5UJ	UG/KG	N-BUTYLBENZENE
1.5UJ	UG/KG	DIBROMOMETHANE	1.5UJ	UG/KG	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)
1.5UJ	UG/KG	TRANS-1,3-DICHLOROPROPENE	1.5UJ	UG/KG	1,2,4-TRICHLOROBENZENE
1.5UJ	UG/KG	TRICHLOROETHENE (TRICHLOROETHYLENE)	1.5UJ	UG/KG	HEXAChLORO-1,3-BUTADIENE
1.5UJ	UG/KG	BENZENE	7.7UJ	UG/KG	1,2,3-TRICHLOROBENZENE
1.5UJ	UG/KG	DIBROMOCHLOROMETHANE	10	%	% MOISTURE
1.5UJ	UG/KG	1,1,2-TRICHLOROETHANE			

RECOMMENDED HOLDING TIME EXCEEDED-PURGEABLE ORGANICS

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

MEMORANDUM

Date: 05/25/2001

Subject: Results of EXTRACTABLES Sample Analysis

01-0444 Vienna Street Dump
Fort Valley, GA

From: Revell, Dennis *DHR*
To: Striggow.Brian

Thru: Cosgrove, Bill *BMC*
Chief, Organic Chemistry Section
Analytical Support Branch

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

Sample 5377 FY 2001 Project: 01-0444

EXTRACTABLES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: BKGD /
 Media: GROUNDWATER

Produced by: Revell, Dennis

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 10:38

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
10U	UG/L	BIS(2-CHLOROETHYL) ETHER	10U	UG/L	ANTHRACENE
10U	UG/L	BENZALDEHYDE	10U	UG/L	CARBAZOLE
10U	UG/L	HEXACHLOROETHANE	10U	UG/L	DI-N-BUTYLPHTHALATE
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	10U	UG/L	FLUORANTHENE
10U	UG/L	N-NITROSODI-N-PROPYLAMINE	10U	UG/L	PYRENE
10U	UG/L	ACETOPHENONE	10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	NITROBENZENE	10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	HEXACHLOROBUTADIENE	10U	UG/L	BENZO(A)ANTHRACENE
85	UG/L	CAPROLACTAM	10U	UG/L	CHRYSENE
10U	UG/L	2-METHYLNAPHTHALENE	10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	1,2,4-TRICHLOROBENZENE	10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	NAPHTHALENE	10U	UG/L	BENZO(B)FLUORANTHENE
10U	UG/L	4-CHLOROANILINE	10U	UG/L	BENZO(K)FLUORANTHENE
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE	10U	UG/L	BENZO-A-PYRENE
10U	UG/L	ISOPHORONE	10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	UG/L	DIBENZO(A,H)ANTHRACENE
10U	UG/L	1,1-BIPHENYL	10U	UG/L	BENZO(GHI)PERYLENE
10U	UG/L	2-CHLORONAPHTHALENE	10U	UG/L	2-CHLOROPHENOL
10U	UG/L	2-NITROANILINE	10U	UG/L	2-METHYLPHENOL
10U	UG/L	ACENAPHTHYLENE	10U	UG/L	(3-AND/OR 4-)METHYLPHENOL
10U	UG/L	ACENAPHTHENE	10U	UG/L	2-NITROPHENOL
10U	UG/L	DIMETHYL PHTHALATE	10U	UG/L	PHENOL
10U	UG/L	DIBENZOFURAN	10U	UG/L	2,4-DIMETHYLPHENOL
10U	UG/L	2,4-DINITROTOLUENE	10U	UG/L	2,4-DICHLOROPHENOL
10U	UG/L	2,6-DINITROTOLUENE	10U	UG/L	2,4,6-TRICHLOROPHENOL
10U	UG/L	3-NITROANILINE	10U	UG/L	2,4,5-TRICHLOROPHENOL
10U	UG/L	4-CHLOROPHENYL PHENYL ETHER	10U	UG/L	4-CHLORO-3-METHYLPHENOL
10U	UG/L	4-NITROANILINE	20U	UG/L	2,4-DINITROPHENOL
10U	UG/L	FLUORENE	20U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	DIETHYL PHTHALATE	20U	UG/L	PENTACHLOROPHENOL
10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	20U	UG/L	4-NITROPHENOL
10U	UG/L	HEXACHLOROBENZENE (HCB)	10U	UG/L	2,3,4,6-TETRACHLOROPHENOL
10U	UG/L	ATRAZINE			
10U	UG/L	4-BROMOPHENYL PHENYL ETHER			
10U	UG/L	PHENANTHRENE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5377 FY 2001 Project: 01-0444

MISCELLANEOUS COMPOUNDS

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: BKGD /

Media: GROUNDWATER

Produced by: Revell, Dennis

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 10:38

Ending:

RESULTS	UNITS	ANALYTE
10JN	UG/L	OCTADECANOIC ACID, METHYL ESTER
100JN	UG/L	DECANOIC ACID, METHYL ESTER
30JN	UG/L	TETRADECANOIC ACID, METHYL ESTER
30JN	UG/L	HEXADECANOIC ACID, METHYL ESTER
10JN	UG/L	OCTADECADIENOIC ACID, METHYL ESTER
100JN	UG/L	OCTADECENOIC ACID, METHYL ESTER
20JN	UG/L	OCTADECANOIC ACID, METHYL ESTER
20JN	UG/L	OLEIC ACID

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5378 FY 2001 Project: 01-0444

EXTRACTABLES SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: CNTL /

Media: GROUNDWATER

Produced by: Revell, Dennis

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 13:10

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
10U	UG/L	BIS(2-CHLOROETHYL) ETHER	10U	UG/L	ANTHRACENE
10U	UG/L	BENZALDEHYDE	10U	UG/L	CARBAZOLE
10U	UG/L	HEXACHLOROETHANE	10U	UG/L	DI-N-BUTYLPHTHALATE
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	10U	UG/L	FLUORANTHENE
10U	UG/L	N-NITROSODI-N-PROPYLAMINE	10U	UG/L	PYRENE
10U	UG/L	ACETOPHENONE	10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	NITROBENZENE	10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	HEXACHLOROBUTADIENE	10U	UG/L	BENZO(A)ANTHRACENE
10U	UG/L	CAPROLACTAM	10U	UG/L	CHRYSENE
10U	UG/L	2-METHYLNAPHTHALENE	10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	1,2,4-TRICHLOROBENZENE	10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	NAPHTHALENE	10U	UG/L	BENZO(B)FLUORANTHENE
10U	UG/L	4-CHLORANILINE	10U	UG/L	BENZO(K)FLUORANTHENE
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE	10U	UG/L	BENZO-A-PYRENE
10U	UG/L	ISOPHORONE	10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	UG/L	DIBENZO(A,H)ANTHRACENE
10U	UG/L	1,1-BIPHENYL	10U	UG/L	BENZO(GHI)PERYLENE
10U	UG/L	2-CHLORONAPHTHALENE	10U	UG/L	2-CHLOROPHENOL
10U	UG/L	2-NITROANILINE	10U	UG/L	2-METHYLPHENOL
10U	UG/L	ACENAPHTHYLENE	10U	UG/L	(3-AND/OR 4-METHYLPHENOL
10U	UG/L	ACENAPHTHENE	10U	UG/L	2-NITROPHENOL
10U	UG/L	DIMETHYL PHTHALATE	10U	UG/L	PHENOL
10U	UG/L	DIBENZOFURAN	10U	UG/L	2,4-DIMETHYLPHENOL
10U	UG/L	2,4-DINITROTOLUENE	10U	UG/L	2,4-DICHLOROPHENOL
10U	UG/L	2,6-DINITROTOLUENE	10U	UG/L	2,4,6-TRICHLOROPHENOL
10U	UG/L	3-NITROANILINE	10U	UG/L	2,4,5-TRICHLOROPHENOL
10U	UG/L	4-CHLOROPHENYL PHENYL ETHER	10U	UG/L	4-CHLORO-3-METHYLPHENOL
10U	UG/L	4-NITROANILINE	20U	UG/L	2,4-DINITROPHENOL
10U	UG/L	FLUORENE	20U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	DIETHYL PHTHALATE	20U	UG/L	PENTACHLOROPHENOL
10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	20U	UG/L	4-NITROPHENOL
10U	UG/L	HEXACHLOROBENZENE (HCB)	10U	UG/L	2,3,4,6-TETRACHLOROPHENOL
10U	UG/L	ATRAZINE			
10U	UG/L	4-BROMOPHENYL PHENYL ETHER			
10U	UG/L	PHENANTHRENE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5379 FY 2001 Project: 01-0444

EXTRACTABLES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: TW1 /
 Media: GROUNDWATER

Produced by: Revell, Dennis

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 15:30

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
10U	UG/L	BIS(2-CHLOROETHYL) ETHER	10U	UG/L	ANTHRACENTHE
10U	UG/L	BENZALDEHYDE	10U	UG/L	CARBAZOLE
10U	UG/L	HEXACHLOROETHANE	10U	UG/L	DI-N-BUTYLPHthalate
10U	UG/L	BIS(2-CHLORoisopROPYL) ETHER	10U	UG/L	FLUORANTHENE
10U	UG/L	N-NITROSODI-N-PROPYLAMINE	10U	UG/L	PYRENE
10U	UG/L	ACETOPHENONE	10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	NITROBENZENE	10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	HEXACHLOROBUTADIENE	10U	UG/L	BENZO(A)ANTHRACENTHE
600	UG/L	CAPROLACTAM	10U	UG/L	CHRYSENE
10U	UG/L	2-METHYLNAPHTHALENE	10U	UG/L	3,3'-DICHLOROBENZIDINE
10U	UG/L	1,2,4-TRICHLOROBENZENE	10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	NAPHTHALENE	10U	UG/L	BENZO(B)FLUORANTHENE
10U	UG/L	4-CHLORANILINE	10U	UG/L	BENZO(K)FLUORANTHENE
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE	10U	UG/L	BENZO-A-PYRENE
10U	UG/L	ISOPHORONE	10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	UG/L	DIBENZO(A,H)ANTHRACENTHE
10U	UG/L	1,1-BIPHENYL	10U	UG/L	BENZO(GHI)PERYLENE
10U	UG/L	2-CHLORONAPHTHALENE	10U	UG/L	2-CHLOROPHENOL
10U	UG/L	2-NITROANILINE	10U	UG/L	2-METHYLPHENOL
10U	UG/L	ACENAPHTHYLENE	10U	UG/L	(3-AND/OR 4-)METHYLPHENOL
10U	UG/L	ACENAPHTHENE	10U	UG/L	2-NITROPHENOL
10U	UG/L	DIMETHYL PHTHALATE	10U	UG/L	PHENOL
10U	UG/L	DIBENZOFURAN	10U	UG/L	2,4-DIMETHYLPHENOL
10U	UG/L	2,4-DINITROTOLUENE	10U	UG/L	2,4-DICHLOROPHENOL
10U	UG/L	2,6-DINITROTOLUENE	10U	UG/L	2,4,6-TRICHLOROPHENOL
10U	UG/L	3-NITROANILINE	10U	UG/L	2,4,5-TRICHLOROPHENOL
10U	UG/L	4-CHLOROPHENYL PHENYL ETHER	10U	UG/L	4-CHLORO-3-METHYLPHENOL
10U	UG/L	4-NITROANILINE	20U	UG/L	2,4-DINITROPHENOL
10U	UG/L	FLUORENE	20U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	DIETHYL PHTHALATE	20U	UG/L	PENTACHLOROPHENOL
10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	20U	UG/L	4-NITROPHENOL
10U	UG/L	HEXACHLOROBENZENE (HCB)	10U	UG/L	2,3,4,6-TETRACHLOROPHENOL
10U	UG/L	ATRAZINE			
10U	UG/L	4-BROMOPHENYL PHENYL ETHER			
10U	UG/L	PHENANTHRENE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 05/25/2001 14:28

Sample 5379 FY 2001 Project: 01-0444

MISCELLANEOUS COMPOUNDS

Produced by: Revell, Dennis
Requestor:
Project Leader: BSTRIGGO
Beginning: 04/25/2001 15:30
Ending:

RESULTS	UNITS	ANALYTE
100JN	UG/L	DIMETHYLPHENYLBENZENEACETAMIDE
300JN	UG/L	DIAZADIKETOCYCLOTETRADECANE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-average value. K-1 Not analyzed. K-2 Interference. K-3 Estimated value. K-4 Presumptive evidence of presence of material. K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit. R-qc Indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5380 FY 2001 Project: 01-0444

EXTRACTABLES SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: TW3 /

Media: GROUNDWATER

Produced by: Revell, Dennis

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 17:45

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
10U	UG/L	BIS(2-CHLOROETHYL) ETHER	10U	UG/L	ANTHRACENE
10U	UG/L	BENZALDEHYDE	10U	UG/L	CARBAZOLE
10U	UG/L	HEXACHLOROETHANE	10U	UG/L	DI-N-BUTYLPHTHALATE
10U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	10U	UG/L	FLUORANTHENE
10U	UG/L	N-NITROSODI-N-PROPYLAMINE	10U	UG/L	PYRENE
10U	UG/L	ACETOPHENONE	10U	UG/L	BENZYL BUTYL PHTHALATE
10U	UG/L	NITROBENZENE	10U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
10U	UG/L	HEXACHLOROBUTADIENE	10U	UG/L	BENZO(A)ANTHRACENE
40	UG/L	CAPROLACTAM	10U	UG/L	CHRYSENE
10U	UG/L	2-METHYLNAPHTHALENE	10U	UG/L	3,3'-DICHLOOROBENZIDINE
10U	UG/L	1,2,4-TRICHLOROBENZENE	10U	UG/L	DI-N-OCTYLPHthalate
10U	UG/L	NAPHTHALENE	10U	UG/L	BENZO(B)FLUORANTHENE
10U	UG/L	4-CHLOROANILINE	10U	UG/L	BENZO(K)FLUORANTHENE
10U	UG/L	BIS(2-CHLOROETHOXY)METHANE	10U	UG/L	BENZO-A-PYRENE
10U	UG/L	ISOPHORONE	10U	UG/L	INDENO (1,2,3-CD) PYRENE
10U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	UG/L	DIBENZO(A,H)ANTHRACENE
10U	UG/L	1,1-BIPHENYL	10U	UG/L	BENZO(GHI)PERYLENE
10U	UG/L	2-CHLORONAPHTHALENE	10U	UG/L	2-CHLOROPHENOL
10U	UG/L	2-NITROANILINE	10U	UG/L	2-METHYLPHENOL
10U	UG/L	ACENAPHTHYLENE	10U	UG/L	(3-AND/OR 4-)METHYLPHENOL
10U	UG/L	ACENAPHTHENE	10U	UG/L	2-NITROPHENOL
10U	UG/L	DIMETHYL PHTHALATE	10U	UG/L	PHENOL
10U	UG/L	DIBENZOFURAN	10U	UG/L	2,4-DIMETHYLPHENOL
10U	UG/L	2,4-DINITROTOLUENE	10U	UG/L	2,4-DICHLOROPHENOL
10U	UG/L	2,6-DINITROTOLUENE	10U	UG/L	2,4,6-TRICHLOROPHENOL
10U	UG/L	3-NITROANILINE	10U	UG/L	2,4,5-TRICHLOROPHENOL
10U	UG/L	4-CHLOROPHENYL PHENYL ETHER	10U	UG/L	4-CHLORO-3-METHYLPHENOL
10U	UG/L	4-NITROANILINE	20U	UG/L	2,4-DINITROPHENOL
10U	UG/L	FLUORENE	20U	UG/L	2-METHYL-4,6-DINITROPHENOL
10U	UG/L	DIETHYL PHTHALATE	20U	UG/L	PENTACHLOROPHENOL
10U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	20U	UG/L	4-NITROPHENOL
10U	UG/L	HEXACHLOROBENZENE (HCB)	10U	UG/L	2,3,4,6-TETRACHLOROPHENOL
10U	UG/L	ATRAZINE			
10U	UG/L	4-BROMOPHENYL PHENYL ETHER			
10U	UG/L	PHENANTHRENE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 05/25/2001 14:28

Sample 5383 FY 2001 Project: 01-0444

EXTRACTABLES SCAN

Facility: Vienna Street Dump **Fort Valley, GA**

Program: SF

Id/Station: CNTLCUT

Media: SUBSURFACE SOIL (> 12")

Produced by: Revell, Dennis

Requestor:

Project Leader: BSTRIGGC

Beginning: 04/26/2001 15:15

Ending

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
3900U	UG/KG	BIS(2-CHLOROETHYL) ETHER	3900U	UG/KG	ANTHRACENE
3900U	UG/KG	BENZALDEHYDE	3900U	UG/KG	CARBAZOLE
3900U	UG/KG	HEXACHLOROETHANE	3900U	UG/KG	DI-N-BUTYLPHTHALATE
3900U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	3900U	UG/KG	FLUORANTHENE
3900U	UG/KG	N-NITROSODI-N-PROPYLAMINE	3900U	UG/KG	PYRENE
3900U	UG/KG	ACETOPHENONE	3900U	UG/KG	BENZYL BUTYL PHTHALATE
3900U	UG/KG	NITROBENZENE	3900U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
3900U	UG/KG	HEXACHLOROBUTADIENE	3900U	UG/KG	BENZO(A)ANTHRACENE
3900U	UG/KG	CAPROLACTAM	3900U	UG/KG	CHRYSENE
3900U	UG/KG	2-METHYLNAPHTHALENE	3900U	UG/KG	3,3'-DICHLOROBENZIDINE
3900U	UG/KG	1,2,4-TRICHLOROBENZENE	3900U	UG/KG	DI-N-OCTYLPHthalate
3900U	UG/KG	NAPHTHALENE	3900U	UG/KG	BENZO(B)FLUORANTHENE
3900U	UG/KG	4-CHLOROANILINE	3900U	UG/KG	BENZO(K)FLUORANTHENE
3900U	UG/KG	BIS(2-CHLOROETHOXY)METHANE	3900U	UG/KG	BENZO-A-PYRENE
3900U	UG/KG	ISOPHORONE	3900U	UG/KG	INDENO (1,2,3-CD) PYRENE
3900U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	3900U	UG/KG	DIBENZO(A,H)ANTHRACENE
3900U	UG/KG	1,1-BIPHENYL	3900U	UG/KG	BENZO(GHI)PERYLENE
3900U	UG/KG	2-CHLORONAPHTHALENE	3900U	UG/KG	2-CHLOROPHENOL
3900U	UG/KG	2-NITROANILINE	3900U	UG/KG	2-METHYLPHENOL
3900U	UG/KG	ACENAPHTHYLENE	3900U	UG/KG	(3-AND/OR 4-)METHYLPHENOL
3900U	UG/KG	ACENAPHTHENE	3900U	UG/KG	2-NITROPHENOL
3900U	UG/KG	DIMETHYL PHTHALATE	3900U	UG/KG	PHENOL
3900U	UG/KG	DIBENZOFURAN	3900U	UG/KG	2,4-DIMETHYLPHENOL
3900U	UG/KG	2,4-DINITROTOLUENE	3900U	UG/KG	2,4-DICHLOROPHENOL
3900U	UG/KG	2,6-DINITROTOLUENE	3900U	UG/KG	2,4,6-TRICHLOROPHENOL
3900U	UG/KG	3-NITROANILINE	3900U	UG/KG	2,4,5-TRICHLOROPHENOL
3900U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	3900U	UG/KG	4-CHLORO-3-METHYLPHENOL
3900U	UG/KG	4-NITROANILINE	7800U	UG/KG	2,4-DINITROPHENOL
3900U	UG/KG	FLUORENE	7800U	UG/KG	2-METHYL-4,6-DINITROPHENOL
3900U	UG/KG	DIETHYL PHTHALATE	7800U	UG/KG	PENTACHLOROPHENOL
3900U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	7800U	UG/KG	4-NITROPHENOL
3900U	UG/KG	HEXACHLOROBENZENE (HCB)	3900U	UG/KG	2,3,4,6-TETRACHLOROPHENOL
3900U	UG/KG	ATRAZINE	14.9	%	% MOISTURE
3900U	UG/KG	4-BROMOPHENYL PHENYL ETHER			
3900U	UG/KG	PHENANTHRENE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. The number is the minimum quantitation limit.

R-actual value is known to be less than R-value given. A dotted value is known to be greater than value given. C material will always indicate that data is unusable.

Sample 5384 FY 2001 Project: 01-0444

EXTRACTABLES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: TW3CUT /
 Media: SUBSURFACE SOIL (> 12")

Produced by: Revell, Dennis

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/26/2001 15:30

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
3500U	UG/KG	BIS(2-CHLOROETHYL) ETHER	3500U	UG/KG	ANTHACENE
3500U	UG/KG	BENZALDEHYDE	3500U	UG/KG	CARBAZOLE
3500U	UG/KG	HEXACHLOROETHANE	3500U	UG/KG	DI-N-BUTYLPHthalate
3500U	UG/KG	BIS(2-CHLORoisopROPYL) ETHER	3500U	UG/KG	FLUORANTHENE
3500U	UG/KG	N-NITROSODI-N-PROPYLAMINE	3500U	UG/KG	PYRENE
3500U	UG/KG	ACETOPHENONE	3500U	UG/KG	BENZYL BUTYL PHTHALATE
3500U	UG/KG	NITROBENZENE	3500U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
3500U	UG/KG	HEXACHLOROBUTADIENE	3500U	UG/KG	BENZO(A)ANTHACENE
3500U	UG/KG	CAPROLACTAM	3500U	UG/KG	CHRYSENE
3500U	UG/KG	2-METHYLNAPHTHALENE	3500U	UG/KG	3,3-DICHLOROBENZIDINE
3500U	UG/KG	1,2,4-TRICHLOROBENZENE	3500U	UG/KG	DI-N-OCTYLPHthalate
3500U	UG/KG	NAPHTHALENE	3500U	UG/KG	BENZO(B)FLUORANTHENE
3500U	UG/KG	4-CHLOROANILINE	3500U	UG/KG	BENZO(K)FLUORANTHENE
3500U	UG/KG	BIS(2-CHLOROETHOXY)METHANE	3500U	UG/KG	BENZO-A-PYRENE
3500U	UG/KG	ISOPHORONE	3500U	UG/KG	INDENO (1,2,3-CD) PYRENE
3500U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	3500U	UG/KG	DIBENZO(A,H)ANTHACENE
3500U	UG/KG	1,1-BIPHENYL	3500U	UG/KG	BENZO(GHI)PERYLENE
3500U	UG/KG	2-CHLORONAPHTHALENE	3500U	UG/KG	2-CHLOROPHENOL
3500U	UG/KG	2-NITROANILINE	3500U	UG/KG	2-METHYLPHENOL
3500U	UG/KG	ACENAPHTHYLENE	3500U	UG/KG	(3-AND/OR 4-)METHYLPHENOL
3500U	UG/KG	ACENAPHTHENE	3500U	UG/KG	2-NITROPHENOL
3500U	UG/KG	DIMETHYL PHTHALATE	3500U	UG/KG	PHENOL
3500U	UG/KG	DIBENZOFURAN	3500U	UG/KG	2,4-DIMETHYLPHENOL
3500U	UG/KG	2,4-DINITROTOLUENE	3500U	UG/KG	2,4-DICHLOROPHENOL
3500U	UG/KG	2,6-DINITROTOLUENE	3500U	UG/KG	2,4,6-TRICHLOROPHENOL
3500U	UG/KG	3-NITROANILINE	3500U	UG/KG	2,4,5-TRICHLOROPHENOL
3500U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	3500U	UG/KG	4-CHLORO-3-METHYLPHENOL
3500U	UG/KG	4-NITROANILINE	6900U	UG/KG	2,4-DINITROPHENOL
3500U	UG/KG	FLUORENE	6900U	UG/KG	2-METHYL-4,6-DINITROPHENOL
3500U	UG/KG	DIETHYL PHTHALATE	6900U	UG/KG	PENTACHLOROPHENOL
3500U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	6900U	UG/KG	4-NITROPHENOL
3500U	UG/KG	HEXACHLOROBENZENE (HCB)	3500U	UG/KG	2,3,4,6-TETRACHLOROPHENOL
3500U	UG/KG	ATRAZINE	12.5	%	% MOISTURE
3500U	UG/KG	4-BROMOPHENYL PHENYL ETHER			
3500U	UG/KG	PHENANTHRENE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-rc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5385 FY 2001 Project: 01-0444
EXTRACTABLES SCAN
 Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: TW1CUT /
 Media: SUBSURFACE SOIL (> 12")

Produced by: Revell, Dennis
 Requestor:
 Project Leader: BSTRIGGO
 Beginning: 04/26/2001 15:50
 Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
3800U	UG/KG	BIS(2-CHLOROETHYL) ETHER	3800U	UG/KG	ANTHRACENTHE
3800U	UG/KG	BENZALDEHYDE	3800U	UG/KG	CARBAZOLE
3800U	UG/KG	HEXACHLOROETHANE	3800U	UG/KG	DI-N-BUTYLPHthalATE
3800U	UG/KG	BIS(2-CHLORoisOPROPYL) ETHER	3800U	UG/KG	FLUORANTHENE
3800U	UG/KG	N-NITROsodi-N-PROPYLAMINE	3800U	UG/KG	PYRENE
3800U	UG/KG	ACETOPHENONE	3800U	UG/KG	BENZYL BUTYL PHthalATE
3800U	UG/KG	NITROBENZENE	3800U	UG/KG	BIS(2-ETHYLHEXYL) PHthalATE
3800U	UG/KG	HEXACHLOROBUTADIENE	3800U	UG/KG	BENZO(A)ANTHRACENTHE
3800U	UG/KG	CAPROLACTAM	3800U	UG/KG	CHRYSENE
3800U	UG/KG	2-METHYLNAPHTHALENE	3800U	UG/KG	3,3'-DICHLOROBENZIDINE
3800U	UG/KG	1,2,4-TRICHLOROBENZENE	3800U	UG/KG	DI-N-OCTYLPHthalATE
3800U	UG/KG	NAPHTHALENE	3800U	UG/KG	BENZO(B)FLUORANTHENE
3800U	UG/KG	4-CHLORoANILINE	3800U	UG/KG	BENZO(K)FLUORANTHENE
3800U	UG/KG	BIS(2-CHLORoETHoxy)METHANE	3800U	UG/KG	BENZO-A-PYRENE
3800U	UG/KG	ISOPHORONE	3800U	UG/KG	INDENO (1,2,3-CD) PYRENE
3800U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	3800U	UG/KG	DIBENzo(A,H)ANTHRACENTHE
3800U	UG/KG	1,1-BIPHENYL	3800U	UG/KG	BENZO(GHI)PERYLENE
3800U	UG/KG	2-CHLORONAPHTHALENE	3800U	UG/KG	2-CHLOROPHENOL
3800U	UG/KG	2-NITROANILINE	3800U	UG/KG	2-METHYLPHENOL
3800U	UG/KG	ACENAPHTHYLENE	3800U	UG/KG	(3-AND/OR 4-)METHYLPHENOL
3800U	UG/KG	ACENAPHTHENE	3800U	UG/KG	2-NITROPHENOL
3800U	UG/KG	DIMETHYL PHthalATE	3800U	UG/KG	PHENOL
3800U	UG/KG	DIBENzOFURAN	3800U	UG/KG	2,4-DIMETHYLPHENOL
3800U	UG/KG	2,4-DINITROToluENE	3800U	UG/KG	2,4-DICHLOROPHENOL
3800U	UG/KG	2,6-DINITROToluENE	3800U	UG/KG	2,4,6-TRICHLOROPHENOL
3800U	UG/KG	3-NITROANILINE	3800U	UG/KG	2,4,5-TRICHLOROPHENOL
3800U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	3800U	UG/KG	4-CHLORO-3-METHYLPHENOL
3800U	UG/KG	4-NITROANILINE	7600U	UG/KG	2,4-DINITROPHENOL
3800U	UG/KG	FLUORENE	7600U	UG/KG	2-METHYL-4,6-DINITROPHENOL
3800U	UG/KG	DIETHYL PHthalATE	7600U	UG/KG	PENTACHLOROPHENOL
3800U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	7600U	UG/KG	4-NITROPHENOL
3800U	UG/KG	HEXACHLOROBENZENE (HCB)	3800U	UG/KG	2,3,4,6-TETRACHLOROPHENOL
3800U	UG/KG	ATRAZINE	21.0	%	% MOISTURE
3800U	UG/KG	4-BROMOPHENYL PHENYL ETHER			
3800U	UG/KG	PHENANTHRENE			

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit. R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

**Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720**

MEMORANDUM

Date: 05/21/2001

Subject: Results of PESTICIDES/PCB Sample Analysis

01-0444 Vienna Street Dump
Fort Valley, GA

From: Revells, Laron

To: Striggow.Brian

Thru: Cosgrove, Bill
Blm
Chief, Organic Chemistry Section
Analytical Support Branch

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

Sample 5377 FY 2001 Project: 01-0444

PESTICIDES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: BKGD /
 Media: GROUNDWATER

Produced by: Revells, Laron
 Requestor:
 Project Leader: BSTRIGGO
 Beginning: 04/25/2001 10:38
 Ending:

RESULTS	UNITS	ANALYTE
0.10U	UG/L	ALDRIN
0.10U	UG/L	HEPTACHLOR
0.10U	UG/L	HEPTACHLOR EPOXIDE
0.10U	UG/L	ALPHA-BHC
0.10U	UG/L	BETA-BHC
0.10U	UG/L	GAMMA-BHC (LINDANE)
0.10U	UG/L	DELTA-BHC
0.10U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.25U	UG/L	4,4'-DDT (P,P'-DDT)
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.25U	UG/L	4,4'-DDD (P,P'-DDD)
0.25U	UG/L	ENDRIN
0.25U	UG/L	ENDOSULFAN II (BETA)
0.25U	UG/L	ENDOSULFAN SULFATE
1.2U	UG/L	PCB-1242 (AROCLOR 1242)
1.2U	UG/L	PCB-1254 (AROCLOR 1254)
1.2U	UG/L	PCB-1221 (AROCLOR 1221)
1.2U	UG/L	PCB-1232 (AROCLOR 1232)
1.2U	UG/L	PCB-1248 (AROCLOR 1248)
1.2U	UG/L	PCB-1260 (AROCLOR 1260)
1.2U	UG/L	PCB-1016 (AROCLOR 1016)
10U	UG/L	TOXAPHENE
0.10U	UG/L	CHLORDENE /2
0.10U	UG/L	ALPHA-CHLORDENE /2
NA	UG/L	BETA-CHLORDENE /2
NA	UG/L	GAMMA-CHLORDENE /2
0.10U	UG/L	GAMMA-CHLORDANE /2
0.10U	UG/L	TRANS-NONACHLOR /2
0.10U	UG/L	ALPHA-CHLORDANE /2
0.10U	UG/L	CIS-NONACHLOR /2
0.10U	UG/L	OXYCHLORDANE (OCTACHLOREPOXIDE) /2
0.50U	UG/L	METHOXYSYCHLOR
0.25U	UG/L	ENDRIN KETONE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 5378 FY 2001 Project: 01-0444

PESTICIDES SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: CNTL /

Media: GROUNDWATER

Produced by: Revells, Laron

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 13:10

Ending:

RESULTS	UNITS	ANALYTE
0.10U	UG/L	ALDRIN
0.10U	UG/L	HEPTACHLOR
0.10U	UG/L	HEPTACHLOR EPOXIDE
0.10U	UG/L	ALPHA-BHC
0.10U	UG/L	BETA-BHC
0.10U	UG/L	GAMMA-BHC (LINDANE)
0.10U	UG/L	DELTA-BHC
0.10U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.25U	UG/L	4,4'-DDT (P,P'-DDT)
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.25U	UG/L	4,4'-DDD (P,P'-DDD)
0.25U	UG/L	ENDRIN
0.25U	UG/L	ENDOSULFAN II (BETA)
0.25U	UG/L	ENDOSULFAN SULFATE
1.2U	UG/L	PCB-1242 (AROCLOL 1242)
1.2U	UG/L	PCB-1254 (AROCLOL 1254)
1.2U	UG/L	PCB-1221 (AROCLOL 1221)
1.2U	UG/L	PCB-1232 (AROCLOL 1232)
1.2U	UG/L	PCB-1248 (AROCLOL 1248)
1.2U	UG/L	PCB-1260 (AROCLOL 1260)
1.2U	UG/L	PCB-1016 (AROCLOL 1016)
10U	UG/L	TOXAPHENE
0.10U	UG/L	CHLORDENE /2
0.10U	UG/L	ALPHA-CHLORDENE /2
NA	UG/L	BETA-CHLORDENE /2
NA	UG/L	GAMMA-CHLORDENE /2
0.10U	UG/L	GAMMA-CHLORDANE /2
0.10U	UG/L	TRANS-NONACHLOR /2
0.10U	UG/L	ALPHA-CHLORDANE /2
0.10U	UG/L	CIS-NONACHLOR /2
0.10U	UG/L	OXYCHLORDANE (OCTACHLOREPOXIDE) /2
0.50U	UG/L	METHOXYSCHLOR
0.25U	UG/L	ENDRIN KETONE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 5379 FY 2001 Project: 01-0444

PESTICIDES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: TW1 /
 Media: GROUNDWATER

Produced by: Revells, Laron
 Requestor:
 Project Leader: BSTRIGGO
 Beginning: 04/25/2001 15:30
 Ending:

RESULTS	UNITS	ANALYTE
0.10U	UG/L	ALDRIN
0.10U	UG/L	HEPTACHLOR
0.10U	UG/L	HEPTACHLOR EPOXIDE
0.043J	UG/L	ALPHA-BHC
0.13U	UG/L	BETA-BHC
0.10U	UG/L	GAMMA-BHC (LINDANE)
0.10U	UG/L	DELTA-BHC
0.10U	UG/L	ENDOSULFAN I (ALPHA)
0.10U	UG/L	DIELDRIN
0.25U	UG/L	4,4'-DDT (P,P'-DDT)
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.25U	UG/L	4,4'-DDD (P,P'-DDD)
0.25U	UG/L	ENDRIN
0.25U	UG/L	ENDOSULFAN II (BETA)
0.25U	UG/L	ENDOSULFAN SULFATE
1.2U	UG/L	PCB-1242 (AROCLOR 1242)
1.2U	UG/L	PCB-1254 (AROCLOR 1254)
1.2U	UG/L	PCB-1221 (AROCLOR 1221)
1.2U	UG/L	PCB-1232 (AROCLOR 1232)
1.2U	UG/L	PCB-1248 (AROCLOR 1248)
1.2U	UG/L	PCB-1260 (AROCLOR 1260)
1.2U	UG/L	PCB-1016 (AROCLOR 1016)
10U	UG/L	TOXAPHENE
0.10U	UG/L	CHLORDENE /2
0.10U	UG/L	ALPHA-CHLORDENE /2
NA	UG/L	BETA-CHLORDENE /2
NA	UG/L	GAMMA-CHLORDENE /2
0.10U	UG/L	GAMMA-CHLORDANE /2
0.10U	UG/L	TRANS-NONACHLOR /2
0.10U	UG/L	ALPHA-CHLORDANE /2
0.10U	UG/L	CIS-NONACHLOR /2
0.10U	UG/L	OXYCHLORDANE (OCTACHLOREPOXIDE) /2
0.50U	UG/L	METHOXYCHLOR
0.25U	UG/L	ENDRIN KETONE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 5380 FY 2001 Project: 01-0444

PESTICIDES SCAN

Facility: Vienna Street Dump
 Program: SF
 Id/Station: TW3 /
 Media: GROUNDWATER

Produced by: Revells, Laron
 Requestor:
 Project Leader: BSTRIGGO
 Beginning: 04/25/2001 17:45
 Ending:

RESULTS	UNITS	ANALYTE
0.10U	UG/L	ALDRIN
0.10U	UG/L	HEPTACHLOR
0.10U	UG/L	HEPTACHLOR EPOXIDE
0.039J	UG/L	ALPHA-BHC
0.20U	UG/L	BETA-BHC
0.10U	UG/L	GAMMA-BHC (LINDANE)
0.17U	UG/L	DELTA-BHC
0.10U	UG/L	ENDOSULFAN I (ALPHA)
0.051J	UG/L	DIELDRIN
0.25U	UG/L	4,4'-DDT (P,P'-DDT)
0.10U	UG/L	4,4'-DDE (P,P'-DDE)
0.25U	UG/L	4,4'-DDD (P,P'-DDD)
0.25U	UG/L	ENDRIN
0.25U	UG/L	ENDOSULFAN II (BETA)
0.25U	UG/L	ENDOSULFAN SULFATE
1.2U	UG/L	PCB-1242 (AROCLOL 1242)
1.2U	UG/L	PCB-1254 (AROCLOL 1254)
1.2U	UG/L	PCB-1221 (AROCLOL 1221)
1.2U	UG/L	PCB-1232 (AROCLOL 1232)
1.2U	UG/L	PCB-1248 (AROCLOL 1248)
1.2U	UG/L	PCB-1260 (AROCLOL 1260)
1.2U	UG/L	PCB-1016 (AROCLOL 1016)
10U	UG/L	TOXAPHENE
0.10U	UG/L	CHLORDENE /2
0.10U	UG/L	ALPHA-CHLORDENE /2
NA	UG/L	BETA-CHLORDENE /2
NA	UG/L	GAMMA-CHLORDENE /2
0.10U	UG/L	GAMMA-CHLORDANE /2
0.10U	UG/L	TRANS-NONACHLOR /2
0.10U	UG/L	ALPHA-CHLORDANE /2
0.10U	UG/L	CIS-NONACHLOR /2
0.16U	UG/L	OXYCHLORDANE (OCTACHLOREPOXIDE) /2
0.50U	UG/L	METHOXYCHLOR
0.25U	UG/L	ENDRIN KETONE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 5383 FY 2001 Project: 01-0444

PESTICIDES SCAN

Facility: Vienna Street Dump Fort Valley, GA
 Program: SF
 Id/Station: CNTLCUT /
 Media: SUBSURFACE SOIL (> 12")

Produced by: Revells, Laron

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/26/2001 15:15

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
21U	UG/KG	ALDRIN
21U	UG/KG	HEPTACHLOR
21U	UG/KG	HEPTACHLOR EPOXIDE
21U	UG/KG	ALPHA-BHC
21U	UG/KG	BETA-BHC
21U	UG/KG	GAMMA-BHC (LINDANE)
21U	UG/KG	DELTA-BHC
21U	UG/KG	ENDOSULFAN I (ALPHA)
21U	UG/KG	DIELDRIN
31U	UG/KG	4,4'-DDT' (P,P'-DDT)
21U	UG/KG	4,4'-DDE (P,P'-DDE)
26U	UG/KG	4,4'-DDD (P,P'-DDD)
21U	UG/KG	ENDRIN
21U	UG/KG	ENDOSULFAN II (BETA)
21U	UG/KG	ENDOSULFAN SULFATE
110U	UG/KG	PCB-1242 (AROCLOR 1242)
110U	UG/KG	PCB-1254 (AROCLOR 1254)
110U	UG/KG	PCB-1221 (AROCLOR 1221)
110U	UG/KG	PCB-1232 (AROCLOR 1232)
110U	UG/KG	PCB-1248 (AROCLOR 1248)
110U	UG/KG	PCB-1260 (AROCLOR 1260)
110U	UG/KG	PCB-1016 (AROCLOR 1016)
850U	UG/KG	TOXAPHENE
21U	UG/KG	CHLORDENE /2
21U	UG/KG	ALPHA-CHLORDENE /2
21U	UG/KG	BETA-CHLORDENE /2
21U	UG/KG	GAMMA-CHLORDENE /2
21U	UG/KG	GAMMA-CHLORDANE /2
21U	UG/KG	TRANS-NONACHLOR /2
21U	UG/KG	ALPHA-CHLORDANE /2
21U	UG/KG	CIS-NONACHLOR /2
21U	UG/KG	OXYCHLORDANE (OCTACHLOREPOXIDE) /2
16JN	UG/KG	METHOXYPHENYL
21U	UG/KG	ENDRIN KETONE
15	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 5384 FY 2001 Project: 01-0444

PESTICIDES SCAN

Produced by: Revells, Lavon

Requestor

Project Leader: BSTRIGGO

Beginning: 04/26/2001 15:30

Ending

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
21U	UG/KG	ALDRIN
21U	UG/KG	HEPTACHLOR
21U	UG/KG	HEPTACHLOR EPOXIDE
21U	UG/KG	ALPHA-BHC
21U	UG/KG	BETA-BHC
21U	UG/KG	GAMMA-BHC (LINDANE)
21U	UG/KG	DELTA-BHC
21U	UG/KG	ENDOSULFAN I (ALPHA)
21U	UG/KG	DIELDRIN
38U	UG/KG	4,4'-DDT (P,P'-DDT)
21U	UG/KG	4,4'-DDE (P,P'-DDE)
21U	UG/KG	4,4'-DDD (P,P'-DDD)
21U	UG/KG	ENDRIN
21U	UG/KG	ENDOSULFAN II (BETA)
21U	UG/KG	ENDOSULFAN SULFATE
100U	UG/KG	PCB-1242 (AROCOLOR 1242)
100U	UG/KG	PCB-1254 (AROCOLOR 1254)
100U	UG/KG	PCB-1221 (AROCOLOR 1221)
100U	UG/KG	PCB-1232 (AROCOLOR 1232)
100U	UG/KG	PCB-1248 (AROCOLOR 1248)
100U	UG/KG	PCB-1260 (AROCOLOR 1260)
100U	UG/KG	PCB-1016 (AROCOLOR 1016)
830U	UG/KG	TOXAPHENE
21U	UG/KG	CHLORDENE /2
21U	UG/KG	ALPHA-CHLORDENE /2
21U	UG/KG	BETA-CHLORDENE /2
21U	UG/KG	GAMMA-CHLORDENE /2
21U	UG/KG	GAMMA-CHLORDANE /2
21U	UG/KG	TRANS-NONACHLOR /2
21U	UG/KG	ALPHA-CHLORDANE /2
21U	UG/KG	CIS-NONACHLOR /2
21U	UG/KG	OXYCHLORDANE (OCTACHLOREPOXIDE) /2
42U	UG/KG	METHOXYCHLOR
23U	UG/KG	ENDRIN KETONE
12	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-q indicates that data unusable, compound may or may not be present, resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane

Sample 5385 FY 2001 Project: 01-0444

PESTICIDES SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: TW1CUT /

Media: SUBSURFACE SOIL (> 12")

Produced by: Revells, Laron

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/26/2001 15:50

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
23U	UG/KG	ALDRIN
23U	UG/KG	HEPTACHLOR
23U	UG/KG	HEPTACHLOR EPOXIDE
23U	UG/KG	ALPHA-BHC
23U	UG/KG	BETA-BHC
23U	UG/KG	GAMMA-BHC (LINDANE)
23U	UG/KG	DELTA-BHC
23U	UG/KG	ENDOSULFAN I (ALPHA)
23U	UG/KG	DIELDRIN
23U	UG/KG	4,4'-DDT (P,P-DDT)
23U	UG/KG	4,4'-DDE (P,P-DDE)
23U	UG/KG	4,4'-DDD (P,P-DDD)
23U	UG/KG	ENDRIN
23U	UG/KG	ENDOSULFAN II (BETA)
23U	UG/KG	ENDOSULFAN SULFATE
120U	UG/KG	PCB-1242 (AROCLOR 1242)
120U	UG/KG	PCB-1254 (AROCLOR 1254)
120U	UG/KG	PCB-1221 (AROCLOR 1221)
120U	UG/KG	PCB-1232 (AROCLOR 1232)
120U	UG/KG	PCB-1248 (AROCLOR 1248)
120U	UG/KG	PCB-1260 (AROCLOR 1260)
120U	UG/KG	PCB-1016 (AROCLOR 1016)
940U	UG/KG	TOXAPENE
23U	UG/KG	CHLORDENE /2
23U	UG/KG	ALPHA-CHLORDENE /2
23U	UG/KG	BETA-CHLORDENE /2
23U	UG/KG	GAMMA-CHLORDENE /2
23U	UG/KG	GAMMA-CHLORDANE /2
23U	UG/KG	TRANS-NONACHLOR /2
23U	UG/KG	ALPHA-CHLORDANE /2
23U	UG/KG	CIS-NONACHLOR /2
23U	UG/KG	OXYCHLORDANE (OCTACHLOREPOXIDE) /2
47U	UG/KG	METHOXYCHLOR
26U	UG/KG	ENDRIN KETONE
21	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

C-confirmed by gcms: 1.when no value is reported, see chlordane constituents 2.constituents or metabolites of technical chlordane



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

**Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720**

MEMORANDUM

Date: 05/23/2001

Subject: Results of METALS Sample Analysis

01-0444 Vienna Street Dump
Fort Valley, GA

From: Wasko, Mike

To: Strigow.Brian

Thru: Scifres, Jenny *Scifres*
Chief, Inorganic Chemistry Section
Analytical Support Branch

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

ATTACHMENT

Sample 5377 FY 2001 Project: 01-0444

METALS SCAN

Facility: Vienna Street Dump Fort Valley, GA
Program: SF
Id/Station: BKGD /
Media: GROUNDWATER

Produced by: Wasko, Mike
Requestor:
Project Leader: BSTRIGGO
Beginning: 04/25/2001 10:38
Ending:

RESULTS	UNITS	ANALYTE
5.0U	UG/L	SILVER
2.0U	UG/L	ARSENIC
NA	UG/L	BORON
26A	UG/L	BARIUM
3.0U	UG/L	BERYLLOIUM
0.50U	UG/L	CADMIUM
5.0U	UG/L	COBALT
5.0U	UG/L	CHROMIUM
20U	UG/L	COPPER
5.0U	UG/L	MOLYBDENUM
10U	UG/L	NICKEL
1.0U	UG/L	LEAD
1.0U	UG/L	ANTIMONY
2.0U	UG/L	SELENIUM
25U	UG/L	TIN
7.9A	UG/L	STRONTIUM
NA	UG/L	TELLURIUM
10U	UG/L	TITANIUM
0.50U	UG/L	THALLIUM
5.0U	UG/L	VANADIUM
4.7A	UG/L	YTTRIUM
16AJ	UG/L	ZINC
NA	UG/L	ZIRCONIUM
0.20U	UG/L	TOTAL MERCURY
120A	UG/L	ALUMINUM
10U	UG/L	MANGANESE
0.65A	MG/L	CALCIUM
0.82A	MG/L	MAGNESIUM
0.50U	MG/L	IRON
2.3A	MG/L	SODIUM
2.0U	MG/L	POTASSIUM

MATRIX PRECISION OUTSIDE METHOD CONTROL LIMITS FOR ZN

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material

L-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit. R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5378 FY 2001 Project: 01-0444

METALS SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: CNTL /

Media: GROUNDWATER

Produced by: Wasko, Mike

Requestor:

Project Leader: BSTRIGGO

Beginning: 04/25/2001 13:10

Ending:

RESULTS	UNITS	ANALYTE
5.0U	UG/L	SILVER
1.0U	UG/L	ARSENIC
NA	UG/L	BORON
67	UG/L	BARIUM
3.0U	UG/L	BERYLLIUM
0.50U	UG/L	CADMIUM
5.0U	UG/L	COBALT
200	UG/L	CHROMIUM
20U	UG/L	COPPER
5.0U	UG/L	MOLYBDENUM
230	UG/L	NICKEL
4.2	UG/L	LEAD
1.0U	UG/L	ANTIMONY
2.0U	UG/L	SELENIUM
25U	UG/L	TIN
99	UG/L	STRONTIUM
NA	UG/L	TELLURIUM
53	UG/L	TITANIUM
0.50U	UG/L	THALLIUM
12	UG/L	VANADIUM
14	UG/L	YTTRIUM
63	UG/L	ZINC
NA	UG/L	ZIRCONIUM
0.20U	UG/L	TOTAL MERCURY
2300	UG/L	ALUMINUM
100	UG/L	MANGANESE
23	MG/L	CALCIUM
2.8	MG/L	MAGNESIUM
5.2	MG/L	IRON
5.4	MG/L	SODIUM
4.3	MG/L	POTASSIUM

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5379 FY 2001 Project: 01-0444

METALS SCAN

Produced by: Wasko, Mike
Requestor:
Project Leader: BSTRIGGO
Beginning: 04/25/2001 15:30
Ending:

RESULTS UNITS ANALYTE

5.0U	UG/L	SILVER
19	UG/L	ARSENIC
NA	UG/L	BORON
38	UG/L	BARIUM
3.0U	UG/L	BERYLLIUM
0.62	UG/L	CADMIUM
5.0U	UG/L	COBALT
130	UG/L	CHROMIUM
72	UG/L	COPPER
7.1	UG/L	MOLYBDENUM
70	UG/L	NICKEL
48	UG/L	LEAD
1.0U	UG/L	ANTIMONY
11	UG/L	SELENIUM
25U	UG/L	TIN
46	UG/L	STRONTIUM
NA	UG/L	TELLURIUM
370	UG/L	TITANIUM
1.2	UG/L	THALLIUM
220	UG/L	VANADIUM
48	UG/L	YTTRIUM
210	UG/L	ZINC
NA	UG/L	ZIRCONIUM
0.20U	UG/L	TOTAL MERCURY
23000	UG/L	ALUMINUM
320	UG/L	MANGANESE
9.0	MG/L	CALCIUM
2.7	MG/L	MAGNESIUM
120	MG/L	IRON
32	MG/L	SODIUM
6.3	MG/L	POTASSIUM

PRESENCE OF THALLIUM VERIFIED BY DIRECT ANALYSIS OF UNDIGESTED SAMPLE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit. R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5380 FY 2001 Project: 01-0444

METALS SCAN

Facility: Vienna Street Dump

Fort Valley, GA

Program: SF

Id/Station: TW3 /

Media: GROUNDWATER

Produced by: Wasko, Mike
 Requestor:
 Project Leader: BSTRIGGO
 Beginning: 04/25/2001 17:45
 Ending:

RESULTS	UNITS	ANALYTE
5.0U	UG/L	SILVER
19	UG/L	ARSENIC
NA	UG/L	BORON
210	UG/L	BARIUM
3.0U	UG/L	BERYLLIUM
0.74	UG/L	CADMIUM
12	UG/L	COBALT
40	UG/L	CHROMIUM
20U	UG/L	COPPER
35	UG/L	MOLYBDENUM
22	UG/L	NICKEL
12	UG/L	LEAD
1.0U	UG/L	ANTIMONY
4.3	UG/L	SELENIUM
25U	UG/L	TIN
210	UG/L	STRONTIUM
NA	UG/L	TELLURIUM
110	UG/L	TITANIUM
0.50U	UG/L	THALLIUM
61	UG/L	VANADIUM
93	UG/L	YTTRIUM
57	UG/L	ZINC
NA	UG/L	ZIRCONIUM
0.20U	UG/L	TOTAL MERCURY
4400	UG/L	ALUMINUM
840	UG/L	MANGANESE
22	MG/L	CALCIUM
9.5	MG/L	MAGNESIUM
29	MG/L	IRON
29	MG/L	SODIUM
4.5	MG/L	POTASSIUM

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit.

R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5383 FY 2001 Project: 01-0444

METALS SCAN

Produced by: Wasko, Mike
Requestor:
Project Leader: BSTRIGGO
Beginning: 04/26/2001 15:15
Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
0.50U	MG/KG	SILVER
1.0A	MG/KG	ARSENIC
NA	MG/KG	BORON
5.6A	MG/KG	BARIUM
0.30U	MG/KG	BERYLLIUM
0.099U	MG/KG	CADMIUM
0.62A	MG/KG	COBALT
5.0A	MG/KG	CHROMIUM
2.9A	MG/KG	COPPER
0.50U	MG/KG	MOLYBDENUM
2.1A	MG/KG	NICKEL
5.2A	MG/KG	LEAD
0.099UJ	MG/KG	ANTIMONY
0.40U	MG/KG	SELENIUM
2.5U	MG/KG	TIN
0.62A	MG/KG	STRONTIUM
NA	MG/KG	TELLURIUM
22A	MG/KG	TITANIUM
0.099U	MG/KG	THALLIUM
13A	MG/KG	VANADIUM
4.5A	MG/KG	YTTRIUM
22A	MG/KG	ZINC
NA	MG/KG	ZIRCONIUM
0.048U	MG/KG	TOTAL MERCURY
1100A	MG/KG	ALUMINUM
36A	MG/KG	MANGANESE
95A	MG/KG	CALCIUM
50U	MG/KG	MAGNESIUM
4600A	MG/KG	IRON
200U	MG/KG	SODIUM
200U	MG/KG	POTASSIUM
17	%	% MOISTURE

MATRIX SPIKE RECOVERY OUT OF CONTROL LIMITS FOR SB

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit. R-oc indicates that data unusable. compound may or may not be present, resampling and reanalysis is necessary for verification

Sample 5385 FY 2001 Project: 01-0444

METALS SCAN

Facility: Vienna Street Dump Fort Valley, GA
Program: SF
Id/Station: TW1CUT /
Media: SUBSURFACE SOIL (> 12")

Produced by: Wasko, Mike
Requestor:
Project Leader: BSTRIGGO
Beginning: 04/26/2001 15:50
Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
0.50U	MG/KG	SILVER
1.2	MG/KG	ARSENIC
NA	MG/KG	BORON
4.8	MG/KG	BARIUM
0.30U	MG/KG	BERYLLIUM
0.10U	MG/KG	CADMIUM
0.64	MG/KG	COBALT
10	MG/KG	CHROMIUM
5.8	MG/KG	COPPER
0.50U	MG/KG	MOLYBDENUM
1.6	MG/KG	NICKEL
5.2	MG/KG	LEAD
0.10U	MG/KG	ANTIMONY
0.40U	MG/KG	SELENIUM
2.5U	MG/KG	TIN
0.69	MG/KG	STRONTIUM
NA	MG/KG	TELLURIUM
26	MG/KG	TITANIUM
0.10U	MG/KG	THALLIUM
18	MG/KG	VANADIUM
9.6	MG/KG	YTTRIUM
23	MG/KG	ZINC
NA	MG/KG	ZIRCONIUM
0.050U	MG/KG	TOTAL MERCURY
2200	MG/KG	ALUMINUM
28	MG/KG	MANGANESE
90	MG/KG	CALCIUM
50U	MG/KG	MAGNESIUM
6500	MG/KG	IRON
200U	MG/KG	SODIUM
200U	MG/KG	POTASSIUM
22A	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-average value. N-not analyzed. U-undetermined. L-estimated value. P-presumptive evidence of presence of material. R-qc indicates that data unusable. compound may or may not be present, resampling and reanalysis is necessary for verification.

Sample 5384 FY 2001 Project: 01-0444

METALS SCAN

Produced by: Wasko, Mike
Requestor:
Project Leader: BSTRIGGO
Beginning: 04/26/2001 15:30
Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
0.50U	MG/KG	SILVER
1.0	MG/KG	ARSENIC
NA	MG/KG	BORON
4.5	MG/KG	BARIUM
0.30U	MG/KG	BERYLLIUM
0.10U	MG/KG	CADMIUM
0.50U	MG/KG	COBALT
8.6	MG/KG	CHROMIUM
5.6	MG/KG	COPPER
0.50U	MG/KG	MOLYBDENUM
1.8	MG/KG	NICKEL
5.5	MG/KG	LEAD
0.10U	MG/KG	ANTIMONY
0.40U	MG/KG	SELENIUM
2.5U	MG/KG	TIN
0.73	MG/KG	STRONTIUM
NA	MG/KG	TELLURIUM
24	MG/KG	TITANIUM
0.10U	MG/KG	THALLIUM
17	MG/KG	VANADIUM
2.4	MG/KG	YTTRIUM
22	MG/KG	ZINC
NA	MG/KG	ZIRCONIUM
0.049U	MG/KG	TOTAL MERCURY
1700	MG/KG	ALUMINUM
24	MG/KG	MANGANESE
140	MG/KG	CALCIUM
50U	MG/KG	MAGNESIUM
5300	MG/KG	IRON
200U	MG/KG	SODIUM
200U	MG/KG	POTASSIUM
11	%	% MOISTURE

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit. R-qc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Sample 5381 FY 2001 Project: 01-0444

METALS SCAN

Facility: Vienna Street Dump Fort Valley, GA
Program: SF
Id/Station: QA-PB1 /
Media: PRESERVATIVE BLANK

Produced by: Wasko, Mike
Requestor:
Project Leader: BSTRIGGO
Beginning: 04/25/2001 18:00
Ending:

RESULTS UNITS ANALYTE

5.0U	UG/L	SILVER
2.0U	UG/L	ARSENIC
NA	UG/L	BORON
5.0U	UG/L	BARIUM
3.0U	UG/L	BERYLLIUM
0.50U	UG/L	CADMIUM
5.0U	UG/L	COBALT
5.0U	UG/L	CHROMIUM
20U	UG/L	COPPER
5.0U	UG/L	MOLYBDENUM
10U	UG/L	NICKEL
0.50U	UG/L	LEAD
1.0U	UG/L	ANTIMONY
2.0U	UG/L	SELENIUM
25U	UG/L	TIN
5.0U	UG/L	STRONTIUM
NA	UG/L	TELLURIUM
10U	UG/L	TITANIUM
0.50U	UG/L	THALLIUM
5.0U	UG/L	VANADIUM
3.0U	UG/L	YTTRIUM
10U	UG/L	ZINC
NA	UG/L	ZIRCONIUM
0.20U	UG/L	TOTAL MERCURY
100U	UG/L	ALUMINUM
10U	UG/L	MANGANESE
0.50U	MG/L	CALCIUM
0.50U	MG/L	MAGNESIUM
0.50U	MG/L	IRON
2.0U	MG/L	SODIUM
2.0U	MG/L	POTASSIUM

A-average value. NA-not analyzed. NAI-interferences. J-estimated value. N-presumptive evidence of presence of material.

K-actual value is known to be less than value given. L-actual value is known to be greater than value given. U-material was analyzed for but not detected. the number is the minimum quantitation limit. R-uc indicates that data unusable. compound may or may not be present. resampling and reanalysis is necessary for verification.

Vining Street Dump

Field Investigation

3-19-01

(1)

09:01 Depart SESD lab

Personnel: Brian Strugger: Project Leader /driller

Art Masters: Safety Officer

Marty Allen: ESAT support

Claire Burton: ESAT support

11:45 Arrive Fort Valley - check-in @ Days Inn

12:10 On Site (2) WWTP, dry trailers,

pick down str, meet Shirley Penman, Jeff Finn

12:30 To lunch

13:15 Back onsite. Clear utilities

for all well locations on Fort Valley

property w/ Water, Sewer, Electric, Gas.

14:30 Meet w/ Tripp Rivers, Tripp's tractor service, regarding road to TW3

14:30 Safety lecture

14:40 Begin staging equipment to BKGD

15:30 Augered - ~~Harvest~~ 0.0 to 3ft J.C. NIN
Munsell color 2.5 YR 4/6

1st well Red ^{clayey sand} clayey sand + silt
on Hill Consistency very ^{loose} < 15-size of grains

weather plasticity - medium

windy Density loose

50°F moist

overcast ~~Dr. L. Taney~~ - None
Toughness - low

10-15% fines ~~soil~~ - no gravel

Dry strength low

Background well

- (2) 1550 - Start Drilling - Hollow stem Aug
 - No Air monitoring
 Machine is non-operable - due to battery charge
- 1620 - Drilled to 15 ft
 Red clayed sand continued
- 1625 Drilled to 20 ft
 - changed to a less clayey sand; same color - Red
 very soft
 low plasticity
- 1630 - Drilled to 25 ft
 changed to a coarser grained yellowish red sand with specs of lighter colored sand
~~5 yr~~ S:R 5/8
 less S:lt < 5% approx.
 moist large granules ~ 7mm
- 1640 Drilled to 26 ft
 reddish yellow sand | very little clay
 7.5 yr - 4/8 < 5% F: ->
 Dilatancy - slow → None
 - larger
- 1645 Drilled to 28 ft - Hollow stem Aug
 white to pink
 color 5 yr 7/1 to 8/1
 low plasticity
 moist, crumbles easily
 med strength
 slow to no dilatancy
- 1650 Drilled to 35 ft
 still light grey becoming more pink - 5 yr 7/6
 clayey sand
- 1700 drilled to 40 ft
 same gray sand/grey clay - possibly grey clay lenses in pink sand
- 1710 Drilled to 45 ft interrupted
 clayey sand 10 yr 7/8
 yellow
 low plasticity - crumbles easily
 10% silt or fines
 low dilatancy
 moist, soft
- 1730 Drilled to 50 ft - Hollow Auger
 sample - yellow 10 yr 7/6
 clayey sand - very little
 dilatancy (silt or fine) low plasticity
 moist, soft
 crumbles easily

(4)

low dilatancy

(Sands) Still became more coarse

1735 50ft Auger

yellow sand - coarser grain

moist - increasing moisture

very ~~non~~ plasticity - crumbles does

not stick together

7.5 yr 7/8

reddish yellow -

1745

55ft - increasing moisture (slightly)

some ^{texture} as above - darker due

to moisture content 7.5 yr 6/8

reddish yellow - sand .5mm

Non plastic

grain size

1800 ~ 60ft

silty sand - ^{approx} 10% silt

moist

~~non~~ plasticity

7.5 yr 7/8

reddish yellow

Slow dilatancy, ~~soft~~

1810 65ft

clayey sand

10yr 7/8

~~moisture~~

yellow

low plasticity

10% silt

slow - no plasticity

1825 70ft last Auger

10yr 6/8 brownish yellow approx

clayey sand

low plasticity 10%

more ~~moisture~~

crumbly plastic silt

1830

Start Remaking H.S. Auger

no well installed - no pocket -

water zone found - well will

be abandoned; some moist soil

was found but recovery would

almost be zero.

1830 - 1930 - clean up + transport equipment
to Decon P.D.

1935

Levelled grade at exit

(6) Workday #2

3-20-01

wind ESE 18 mph - Gust up to 35 mph JF

0800 40's °F, light rain, clearing

0820 -

0930 - Recon Augers + equipment, Drill Rig,

1000 set up Drill Rig

- current weather overcast light wind

1020 - calibrated PID/FID zero gas + methane

1030 - Start drilling from cuttings

1035 - drilled to 5ft dL. Raw dry - low plasticity

Poss. saturated - moist -

10yr 3/3 10ft+ low dilatancy

C10 - normal 16.53 from cutting -

PID normal - 3.53 10ft+ - Red ~~yellow~~ clayey sand + silt

very moist 2.5 yr 4/6 low plasticity

1050 15ft Angular - subangular - sand 15yr 5:1 ft

non cemented low footer

gravel type - quartz

soft

boulders thickness?

1100 20ft brownish gray sand

25ft

7.5 yr 4/4

1120 - lunch

med plasticity

1130 - Resume

low dilatancy

30ft

5yr 6/6 reddish yellow sand

Air - nonplastic, noncemented

16.50 moist

low - nonplastic

3.45 sat

25yr sat

35ft some graveline clayey sand with
white to gray clay - Highly plastic
moist to wet

40ft yellow sand - wet

10yr 7/8 silty sand

graveline

nonplastic

rap. D. Dilatancy

1305 -

FID - 16.9 USmg 5 ft Auger to check

FID - 3.49 moisture and bottom layers

sand - yellow wet 10yr 7/8

graveline 10% s:1 ft

rapid Dilatancy - nonplastic

- Drilled to first 5ovic ft

1320 - 45ft

FID 19.65

PID - 3.35

depth to water 39.50ft

1350 from top of Auger

1405 - start - setting car up + shovels + steel
worn at 35 ft

(8)

1420 Added one bag of filter sand

calibration turbidity meter #9

std 57 reads 57.1

std 521 reads 52.6

std 4.7 reads 4.78

pH meter ± 2

slope 100.3

conductivity meter ± 2

std 445 = 445

467 = 47

Centrif well

1580 - Depth to center ~~38.70 ft~~ 38.70 ft

well depth - ~~47.50 ft~~ 47.50 ft

length of casting above ground 3.04 ft

$8.80 \times .16 = 1.43$ - 1 well casing

Remove 4.30 gal

Initial water reading - 1st bucket

time 1633

time	ph	turb NTU	Temp °C	COD q5/ft
1633	6.21	315	16.9	189
1644	6.22	180 (low)	17.1	181.4
1657	6.26	315	16.0	184.0

(9)

Removed 8.5° gals - turbidity was gradually going down.

bailer was lost in well -

will retrieve using fishing line in A.m.

sampling performed until 3.21-01

1730 - left site - bailed out

10

Day 3 22 March 2001

Orion pH meter #2 model 230A
 pH 7.00 + 4.00 salts slope 100.8
 conductivity meter = model 140
 conductivity meter = model 140

STD 446 46.7

READ 447 READ 47.0

HACH turbidity #9 model 2100P

STD 57 gel

Depth to water 38.70 ft

for potential error information

turbidity meter - malfunctioned - no reading

ph	cond	temp	turb	
0933 6.50	302	15.2 °C	— NA	
0901 6.37	196	16.3 °C	— NA	
0906 6.36	191	16.2 °C	— NA	
0911 6.32	187	16.0 °C	96.2 mads NA jf	
0929			— 152	

Turbidity calibration - Humidity probably

caused the turbidity meter to malfunction

(Actual 4.7 READ 4.69, 57 READ - 56.4)

521 READ 518

Turb - Placed turb. meter in

0931 197 front of heater - finally started

0935 252 working, calibrated

Sample time 0935 - peat/pdb, WRS, metals

1015 - Retrieved bailed from well - 54

11

1030 - CALL JOELLEN - Instructions for further

WORK - well placement

- great well - (control)

÷ dispose of samples

÷ clean up.

- put in TW1, TW-3 will
be installed at a later date
when the area has dried up

1100 - Start to fill well with filter sand
up to 42 ft bgs. - (grouting well)

1200 finished grouting well

Restaged drums at new location

- 4 drums left at control well to serve
as protection for well.

1230 - Lunch break - 1330

1330 continued clean up

trough calls Joellen.

SP and SP - checked out tw-3 site, took pictures.
very muddy and wet.

SP - took pictures of Control well after completion

1515 - left site

1600 Log book returned to B. Strogonov

BB, JG

DAY 4 24 MARCH 2001

0815 recalibrate pH meter to 7.00; 4.00
slope 100.2

0830 measured pH after baling
pH 6.34

0311

April 23, 2001

partly cloudy - 80's
no wind

1300 - Meeting at site
1 lunch

1330 set up Decom PID

1 set up Drill Rig at Apt complex
1430 well

Foxboro TVF-1000

hydrogen 1600 PSI

Span Concentration 1 = both
2 =

1445 PID: 97.0 ppm

FID: 75.1 ppm

Ambient Air Reading

1455 PID Read - 2.12 ppm

FID Read - 3.68 ppm

1500

1510 Safety Meeting

Hazards, Slip trip, Fall

1515 Started Drilling

PID 4.97

FID 5.43

1 - 5 FT Red & layered sand, ~~moist~~

PID 4.93 some broken glass particles

5.14 10 ft SFT 4/4 5 yr.

4-23-01

JFJW

4-23-01

2) 5-10ft -9ft moisten red clay with more garbage	1610 - Resumed 8/ 35-40 ft - start kaolinizing - moist
PID 5.69 FID 4.97 - clay soil - 30 ppm + FID	Increase wetness. Kaolin - wet clayey sand
3/10-15ft wet clay sand 5/6 5yr PID 5.81 no damp material FID 4.97 low plasticity	PID 6.86 FID 2.63 8/4 5ft finish 7.5yn
4/15-20ft 5/6 5 yr PID 6.43 cut clayey sand FID 4.41 low plasticity - some debris	42 ^{ft} changes to 10yr 2.5yn
5/ 20-25ft 24/ft PID 6.67 FID 4.93 clayey sand low plasticity wet nonplastic	PID 7.34 FID 2.56 6/6 clayey sand low moisture yellowish brown
6/ 25-30 ft - 25/ft Kaolin clay - 7/4 5yr PID 6.84 moist to wet FID 4.06	15/45-50 ft PID 7.47 45ft } wet clay - PID 2.01 40ft } 50 COARSER grained clayey sand low - NC plasticity 6/6 10yr
7/30-35 3.4ft PID 6.53 moist but not wet FID 3.26	11/50-55ft PID 7.47 FID 1.74 5ft changed to wet sand
1650 - Ductile 1610 - Resumed Drilling	1635 7/6 15yr yellowish sand no plasticity wet, 10-15 ft

4-23-01

J. F. iron

12/ 55ft yellow sand - wet
 P.D. 7.58
 E.D. 1.41 57ft - water -

6/6 10yr

GOFT cuttings are almost wet
 (return)

fine

1645

SAND -

low to no plasticity

picture 12 JE

1650 Well at southwest corner of property

water well / Depth to water 58.20 ft - bottom

1700 - no water yielded -
 need to ~~second~~ drilling
 assume

checked calibration at 1715
 Read 96 ppm

1715

Resumed drilling

13/ 60ft

yellow brown clayey sand

moist

7/8 10yr

low to no
plasticity

↓ 65ft

14/

65ft → 70ft

P.D. .21

P.D. .53

4-23-01

J. F. iron

55ft wet sand - yellow
 no plasticity

18/ 70-75ft

P.D. .15

P.D. .53

7/6 10 yr

clayey sand

- water -

10 Return on Auger

Depth to water reading 75 ft

1830 installed stainless steel cage
 into well.

start

Removed hollow stem Auger

clean up at well

1930 picture of completed well

#12

unloaded Auger for Deco

Leave site at 2000

4-24-01

J. Finn

1150

4-24-01

J. Finn

0730 start
- Decor equipment

1045 Finished Decor

1700 Calibrate Foxboro TDR 1000

P1D ~~23752~~ TOL 97 Hydrogen 110° psig 5/20-25ft

F1D 7040 methane 76.5

4) 15ft - 20ft

P1D -22

F1D 1.79

gravel changes to reddish yellow

SAND 6/6 7.5 yr

moist low to no plasticity

16ft clay to A 7/6 7.5 yr 10%

in plasticity

moist 10-15% 1T

1730 Started Drilling

picture #2 Siggars or ball

10ft Drill rig at bottom of ~~bottom of~~ Pumped 6/ 25-30ft

- south end next to creek

P1D -23

F1D 1.80

changed to 6/8 7.5 yr

SAND low plasticity

increased moisture 10-15% 5:13

Auger

1) 0-5FT

clayey yellowish tan

1215 break for lunch

P1D -14

3/4 10 yr clayey sand

1315 returned from lunch

F1D -1.54

low moisture

P1D

F1D

changed to brownish yellow

6/6 10 yr

SAND 10-15% 10:15

moist

2) 5-10

1st change to I

low plastic

- Resumed drilling

checked calibration

background

P1D -19

5/6 5 yr

yellowish red

7/ 30-35ft

30

no change

F1D -1.63

low moisture

P1D -1.75

6/6 10 yr

3) 10-15

low plastic

F1D 1.72

35

moist

P1D -20 12ft change to reddish yellow

no high soil P1D or F1D reading

F1D -1.66

clayey sand low to no plasticity
moist

8/35ft 40ft

P1D -1.76

no change in soil

6/8 7.5 yr

P1D .73

etc small bits of
dark brown clay

J. Finn

J. Finn

4-24-01

1 finn

9/ 80ft

some sand but more moisture

6/6 10yr

yellowish brown

45ft

PID ~1.95

FID .81

13/ 60ft

65ft

4-24-01

1 finn

same yellowish sand
more moisture

|

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4-25-01

Steve Pilcher Art Masters

on well 10A

Total Depth 92.8

Depth to H₂O - 66.8'
26.0

purged with bailer

calibrating turbidity meter #9 std 521 = 52.3

std 4.76 = 5

std 57 = 57

ph meter 9-2

7 = 7

4 = 4 Slope 99

conductivity meter 2

std 446 = 443

std 46.7 = 47

Wet 938

turbidity

10 mnt

ph 4.59 1hr

cond 41 μscm

7 Vol 1008

Turb ¹²₄₀ mnt

ph 3.96

cond 41 μscm

temp 18.4

3 vol 1028

Turb 5

ph 4.32

cond 42

temp 18.1

Station BK6D

4-25-01

sampled with bailer

sample time 10:38

sampled 3 vol 1 liter 1 gal amber
sample tags 4A-103112-16

Control Well

Total Depth

47.1

Depth to H₂O

37.3'

	turb	ph	turb	temp	cond
initial	1222	4.11	16	18.0	225
1.5 gal	5.49	5.74	18.0	234	
3 gal	5.30	4.02	18.2	196	
5 gal	5.74	2.97	18.2	174	
6 gal	5.40	2.27	18.0	171	
7.5 gal	5.70	2.33	18.1	170	

sampled @ 13:10 by bailed

sampled 3 vol, 1 liter, 1 gal amber

sample tags 4A-103117-21

AM

4/
25/01

TW - 1

4-25-01

4-26-01

Depth to H₂O 59.0'

Total Depth well bottom 77.1'

ph cond turb temp

in. + 10 4.60 279 1.2 18.4

3 gal 4.54 280 off 18.3

at 5 gal well purged dry allowed to
recover sampled @ 75 30 with buster

sample tags 103122 - 103126

start 0800

- grout well

decon equipment

Sampled drums for cuttings from borehole
control well.

3 drums vaa taken from the deepest
interval metals, post-hole/ext taken from
3 drums equally, composited x 3

TW3

Total depth 75.6

Depth to H₂O 44.5

31.1

	ph	cond	temp	turbidity
surface	4.96	440	19.2	200
6 gal	4.47	431	18.9	off scale
10 gal	4.50	414	16.2	off scale
15 gal	4.47	414	18.2	off scale

TW3 vaa taken from deepest marked
interval 40-55' other drums were not marked & could
not determine which were borehole cuttings and which were
anger cuttings. 5 drums composited for other
analyses.

TW1 vaa taken from deepest interval, six drums
composited, nickel & sampled for ext/post, moldy

Post cal

cond 46.7 = 47

446 = 446

ph 6.87 = 7

3.90 = 4

F.I.

—1-27

6.1.10.1 rev. A